

BUILDING MATERIAL



Montgomery Ward & Co., Chicago

Chicago Avenue Bridge

Branch House, Kansas City

Our Reputation is Based Upon a Solid Foundation of Public Confidence

And we wish always to preserve it. As each year rolls by we feel proud of the distinction and reputation we enjoy and for which we have truly strived and gained.

Because we have established a wonderful business and are patronized by thousands upon thousands of regular customers all over the United States and in Foreign Countries; because we are continually gaining new patrons, increasing facilities and growing bigger and bigger each year—don't think that we will ever change our policy. We will continue doing business in our same liberal broadminded way giving our customers the benefits of big savings and we will always be anxious to hold our trade as we establish it.

There is no risk to run when ordering from Montgomery Ward & Co. A refund is made in full, including express or freight charges if a customer is not in every way satisfied. We know there are some people who have never ordered from us, who are not familiar with our qualities and prices. It is just these persons whom we are anxious to reach and show the advantages of buying direct from our big establishment. It is true that we are all more or less skeptical—but is there an excuse for remaining so? YOU are the one to decide—are you paying prices that are higher, for quality that is not as good? Think it over.

The big house of Montgomery Ward & Co. originated the Catalog business 38 years ago and have been supplying the wants of entire families year after year.

The business we have established is enormous—it has grown to gigantic proportions and is still growing. We have just moved into new quarters at Chicago Ave. bridge, and now occupy about two million square feet of floor space in our new structure. It is said to be the largest mercantile building in the world and the largest building for any purpose built of steel-reinforced concrete construction. Just think of the way we have grown—yet we appreciate every customer's patronage no matter how large or how small.

We are thoroughly abreast of the times! The coming year 1910 we are endeavoring to make our "Banner Year." Bargains are offered that will never be forgotten and we anticipate making thousands of new friends who will become our regular patrons.

REMEMBER, A Montgomery Ward & Co. Catalog is of value and the means of bringing about big savings—when you need anything be sure and refer to it.

Montgomery Ward & Co.

19th. and Liberty Sts., KANSAS CITY, MO.

Chicago Avenue Bridge, CHICAGO, ILL.

BOOK OF

Building Material

WE have brought together here and classified in one division of our establishment everything that a man can use in building any building or in enlarging, repairing or improving his present buildings. *We do not sell brick or building stone, but we do sell as shown in detail in these pages, the following items that will be of special interest to every farmer, planter, ranchman, house owner, and contractor and builder.*

Siding and Finish Lumber.

Mill Work.

Sash, Doors and Blinds, Oriel Windows, Interior Finish, Stairs, Grilles, Porch Material, Storm Sash, etc.

Builders' Hardware.

Roofing.

Metal Roofing, Felt Roofing, Rubber Roofing, Roof Trimmings.

Metal Ceilings.

Paints, Oils and Varnishes.

Heating Goods.

Steam Boilers, Hot Water Boilers, Hot Air Furnaces, Radiators, Pipes, Valves, Fittings, Pipe Coverings.

Plumbing Goods.

Bath Room Outfits, Bath Tubs, Lavatories, Sanitary Laundry Tubs, Kitchen Sinks, Range Boilers, Water Closets, Soil Pipe and Fittings, Lead Pipe, Sheet Lead.

Lighting Fixtures.

Gas, Electric and Combination.

Qualities Are Guaranteed

We list herein only the very best grade of materials in their respective lines, and in comparing our prices with others, you should bear this fact in mind. We appeal to the buyers of quality goods, and if there is any place in the world where a man wants honest goods it is in the material of which he builds a permanent structure, his home or the shelter for his stock, the workshop, the barn, the various buildings about his place.

Our Prices Are Low.

We are not undersold by any concern, and when quality is considered, our bed-rock quotations as shown in this catalogue are such as warrant all in placing their orders with us without delay.

Contractors and Builders.

If you come under this class, if your trade or profession is such as calls for frequent and extensive purchases in lines shown in this catalogue, write us to that effect and we will list your name where every new catalogue or market quotation of ours is sent you promptly, to keep you advised of the newest and best things for your use at prices that will save you a great deal of money every season.

No Building Contract is Too LARGE for Us.

None is too small, either, to receive our careful, prompt and courteous attention. No matter what you want in the Building Material line, we have it or can get it for you at a decided saving in price; quality, satisfaction and safe delivery guaranteed.

SPECIAL NOTICE

Attention of purchasers is called to the fact that this catalogue is issued from our main house at Chicago where all orders should be sent. Our branch house at Kansas City does not carry building material stock and is not prepared to handle orders taken from this catalogue. All prices are free on board cars at Chicago, except where otherwise noted. Address all orders for Building Material to

Montgomery Ward & Co., Chicago

Chicago Avenue Bridge, CHICAGO.

How To Order Mill Work

(Be Sure to Give Our Order Number in Every Case.)

Always write down the catalogue number, name of what you want, and the price at which we quote it, telling us the kind of wood, sizes and thickness, what kind of glass, and everything else that we ought to know to fill your order correctly.

We will know just what you want if you do this.

Don't cut out parts of this catalogue and send to us.

If you wish to, you may draw a sketch or plan showing what you want, but on regular mill work quoted in this catalogue that is not necessary.

In giving sizes of mill work, always give width first, then length or height, then thickness.

HOW TO ORDER DOORS

First give catalogue number and how many doors you want, then width, height and thickness. If it is a panel door, give number of panels; if a sash door, state kind of glass wanted. Then tell what grade door you want, and put down the price.

Example: H 6120, 1 door, 2 ft. 8 in. x 6 ft. 8 in., 1½ in. thick, 4 panel, A quality, \$2.05.

The term "sash" means one piece.

The term "window" always means two sash, made in pairs, to fit one frame and slide up and down.

If a single sash is wanted, order "a single sash" and not "half a window."

In remodeling an old house and putting in 2-light windows, give the outside measure of your windows, in addition to the glass size, as frequently old windows are not modern standard sizes. The outside measure of a 2-light window is 4½ inches wider than the glass and 6 inches longer than the total length of glass in both sash. The most accurate way to arrive at the outside measure of any window is to measure the inside of the frame that the window fits into.

HOW TO ORDER FRAMES, STORM SASH AND WINDOWS

On page 43 we show four different styles of door frames. In ordering, give catalogue number, quantity, width of door, height of door, then the thickness of door, and last the price of same.

In ordering either windows, frames, storm sash or blinds turn to pages 18, 19 and 20 where we have tables showing sizes, prices and catalogue numbers.

In the first column the glass size is given.

In the second column catalogue number of window glazed single strength, next the price of window.

In the fourth and fifth column is the catalogue number and price of window glazed double strength.

In the sixth column is the outside measure of window or frame opening.

In the seventh column is catalogue number of plain drip cap window frame with pulleys, next comes the price of frame.

In the eight and ninth are catalogue numbers and prices of box frames.

In the tenth and eleventh columns are catalogue numbers and prices of blinds.

In the twelfth and thirteenth columns are catalogue numbers and prices of storm sash.

Hence if you wish a 24x24 window together with frame, blinds and storm sash, turn to page 18 and make out order as follows:

H 10424, 1 window, 24x24, \$0.89.

HF 15424, 1 frame, 24x24, \$1.45.

HF 18070, 1 pair blinds, 24x24, \$1.02.

HF 19070, 1 storm sash, 24x24, \$1.09.

The weight of this window glazed single strength is given in the last column as 20 lbs., hence you would need four, five-pound weights.

For details of frames see pages 42 to 44.

General Instructions

Our Guarantee on Goods in this Catalogue Every article listed in this catalogue is guaranteed to be as represented and to be satisfactory to you. Upon receipt of goods ordered of us, if they do not suit you for any reason, write us and we will direct you where to return same, and will promptly return both your purchase price and freight. This guarantee is your positive protection in ordering of us.

TO PREVENT ABUSE OF THIS GUARANTEE

It is necessary, for our own protection, to observe the usual restrictions adopted by mill-work shippers, as follows:

- (1) Mill-work that conforms to your order cannot be returned.
- (2) Odd work in course of construction cannot be changed or countermanded, except at expense of purchaser.

Use ordinary care in giving your orders for mill-work and odd work and you will have no trouble. We are going to be perfectly fair with you, and we ask you to be fair with us, in return.

Claims for Damage. Always carefully inspect a shipment before taking it from the station. If anything is broken, scratched or missing, if any boxes appear to have been tampered with, call the attention of the agent to the difficulty then and there. Don't accept the shipment until the agent writes a clear notation of the damage or shortage on the freight bill, showing the exact condition in which the goods are delivered to you. After agent has made the notation showing damage, you may then accept shipment and avoid storage charges. All our goods are sent out in first-class shape, properly packed for shipping, so if any bad order exists when they reach your station, it is the fault of the railroad company, and you should not be put off with any excuses, such as poor boxing, etc.

We Will Adjust Your Claims, provided you

1. Send us the freight bill with agent's notation of damage.
 2. Return our invoice (bill) showing the goods shipped.
 3. Write us a letter explaining the nature of the damage.
- Remember we can do nothing unless you secure the agent's admission in writing of the damage.

Always Send Your Invoice. Remember that it is impossible for us to adjust a complaint unless you give us full instructions, so we ask you to be very careful to always return your invoice, if you have it; if not, give us the invoice number and then sign your full name and address the same as you signed it on the original order. We have had much difficulty in the past by goods being ordered by one person and returned by somebody else signing a different name to the letter of

complaint, making it impossible for us to locate the transaction, as we keep our record under the name of the person sending the original order. Therefore should you have any cause for dissatisfaction with goods we ship you and find it necessary to return all, or any part of them, be sure to sign your own name to the letter and send us our original invoice (bill) if possible.

Without the Bill There is Difficulty. If you return the goods without the bill, we will, of course, allow you the purchase price in accordance with the terms of our guarantee, but we will not pay the transportation charges and must insist that the goods be returned within ten days after you receive them. Even then we may have difficulty in locating the transaction upon our books, and we will be compelled to delay action and write you for the bill. By returning the bill there is no chance for error, argument or delay.

Remember the Letter of Instructions. We particularly urge you to remember the necessity of sending us a letter explaining what the difficulty is and what remedy you desire. As explained above, send the letter by mail with freight receipt attached, when shipment is returned by freight; enclose it in the package when the shipment is returned by express, and invariably send it by mail, separately, when the shipment is returned by mail.

Make Your Inquiry Complete. When writing on any subject, be sure and furnish complete information, sending all papers (the invoice, letter or postal) which you may have pertaining to the matter. This will insure prompt and proper reply, as it does away with the necessity of our looking up records, which sometimes become misplaced.

Wait a Reasonable Time before writing about a shipment. We receive hundreds of letters daily asking why an order has not been shipped, and find that nine out of every ten have already gone forward and will reach their destination before our reply. Should you find it necessary to write us about a delayed shipment be sure and sign the same name and address that was on the original order and give us the invoice number as reference.

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FREIGHT RATES

In the first table we quote freight rates from mill in Iowa to a number of places in the various states. In the second we have shown the freight classification on many of the articles quoted in this book. If you want to figure about what the freight charges will be on any particular item, look in the second list and see what class it takes and then in the first list find your town, or the nearest one to it, and get the rate for that class. The weight of the goods will most likely be

given under the description of the article in the catalogue, or you can estimate it very closely, and by multiplying the weight by the class rate you will arrive at the amount required.

Western classification applies to Illinois and states west of Chicago. Eastern classification applies to states east of Chicago and north of the Ohio River and includes Virginia and West Virginia. Southern classification applies to states south of the Ohio River.

ALABAMA					NEW YORK					WISCONSIN								
1	2	3	4		1	2	3	4		1	2	3	4					
Birmingham	\$1.20	\$1.04	\$0.84	\$0.65	Maysville	.66	.58	.46	.32	Auburn	\$0.78	\$0.68	\$0.54	\$0.38				
Florence	1.20	1.04	.84	.65	Paducah	.67	.57	.45	.27	Buffalo	.69	.61	.48	.34				
Mobile	1.10	.90	.75	.58	Versailles	.87	.77	.64	.48	Hudson	.97	.84	.66	.47				
Montgomery	1.39	1.22	1.04	.80	LOUISIANA					Jamestown	.69	.61	.48	.34				
ARKANSAS					Alexandria	\$1.40	\$1.20	\$1.04	\$0.85	Kingston	.97	.84	.66	.47				
Newport	\$1.06	\$0.87	\$0.67	\$0.55	Baton Rouge	1.10	.90	.75	.58	Rochester	.74	.67	.53	.39				
Clarendon	1.15	.97	.74	.55	Lake Charles	1.55	1.30	1.07	.90	Watertown	.97	.84	.66	.47				
Arkansas City	1.10	.90	.75	.58	New Orleans	1.10	.90	.75	.55	NORTH CAROLINA								
CONNECTICUT					Shreveport	1.40	1.20	1.04	.85	Asheville					\$1.40	\$1.23	\$1.03	\$0.83
New Haven	\$1.05	\$0.92	\$0.72	\$0.52	MAINE					Newberne	1.19	.99	.78	.59				
Putnam	1.05	.92	.72	.52	Auburn	\$1.05	\$0.92	\$0.72	\$0.52	Raleigh	1.34	1.14	.90	.65				
DELAWARE					Augusta	1.05	.92	.72	.52	Salisbury	1.41	1.21	.93	.71				
Dover	\$0.96	\$0.84	\$0.66	\$0.47	Dover	1.05	.92	.72	.52	Wilmington	1.23	1.03	.79	.59				
Wilmington	.94	.82	.64	.44	Portland	1.05	.92	.72	.52	NORTH DAKOTA								
FLORIDA					MARYLAND					Bismarck	\$1.58	\$1.32	\$1.05	\$0.74				
Gainesville	\$1.84	\$1.61	\$1.42	\$1.22	Annapolis	\$1.03	\$0.90	\$0.72	\$0.50	Fargo	1.14	.95	.76	.52				
Jacksonville	1.36	1.15	1.01	.88	Baltimore	.93	.81	.63	.43	Grand Forks	1.21	1.01	.81	.56				
Tallahassee	2.10	1.82	1.61	1.38	Cambridge	.97	.84	.66	.47	Minot	1.70	1.44	1.17	.86				
Tampa	1.86	1.58	1.35	1.20	Hagerstown	.93	.81	.63	.43	Oakes	1.33	1.11	.88	.62				
GEORGIA					MASSACHUSETTS					Williston	1.99	1.66	1.36	1.01				
Atlanta	\$1.39	\$1.22	\$1.04	\$0.81	Boston	\$1.05	\$0.92	\$0.72	\$0.52	OHIO								
Macon	1.44	1.25	1.07	.83	Holyoke	1.05	.92	.72	.52	Bryan	\$0.55	\$0.50	\$0.40	\$0.29				
Rome	1.39	1.22	1.04	.81	North Adams	1.05	.92	.72	.52	Canton	.66	.57	.44	.31				
Savannah	1.15	1.01	.88	.68	Worcester	1.05	.92	.72	.52	Columbus	.62	.51	.40	.29				
ILLINOIS					MICHIGAN					Dayton	.59	.50	.40	.29				
Abingdon	\$0.26	\$0.21	\$0.18	\$0.12	Alpena	\$0.75	\$0.65	\$0.50	\$0.41	Findlay	.55	.50	.40	.29				
Aurora	.38	.30	.23	.19	Bay City	.66	.58	.45	.33	Painesville	.68	.60	.47	.33				
Cairo	.49	.41	.32	.25	Charlevoix	.75	.65	.50	.41	Toledo	.55	.50	.40	.29				
Centralia	.44	.36	.28	.23	Cheboygan	.75	.65	.50	.41	PENNSYLVANIA								
Danville	.41	.33	.26	.21	Detroit	.85	.55	.44	.28	Altoona	\$0.93	\$0.81	\$0.62	\$0.43				
Dwight	.38	.30	.23	.19	Escanaba	.65	.55	.44	.28	Bradford	.69	.61	.48	.34				
Galesburg	.38	.30	.23	.19	Grand Rapids	.55	.50	.40	.29	Butler	.69	.61	.48	.34				
Harvard	.36	.28	.22	.18	Kalamazoo	.65	.55	.44	.29	Eric	.69	.61	.48	.34				
Jacksonville	.36	.28	.22	.18	Lansing	.55	.50	.40	.29	Lancaster	.94	.82	.63	.44				
La Salle	.33	.26	.21	.16	Marquette	.65	.55	.44	.29	Philadelphia	.94	.82	.63	.44				
Lincoln	.41	.33	.26	.21	Saginaw, E. S.	.66	.58	.45	.33	Towanda	.94	.82	.63	.44				
Mendota	.33	.26	.21	.16	MINNESOTA					Uniontown	.73	.65	.52	.37				
Mt. Carroll	.30	.24	.20	.15	Albert Lea	\$0.60	\$0.50	\$0.40	\$0.25	SOUTH CAROLINA								
Oregon	.35	.27	.21	.16	Brainerd	.72	.60	.49	.34	Abbeville	\$1.57	\$1.42	\$1.12	\$0.85				
Peoria	.34	.26	.21	.16	Crookston	1.19	.99	.79	.55	Charleston	1.36	1.15	.91	.68				
Streator	.35	.28	.22	.17	Duluth	1.19	.99	.79	.55	Columbia	1.45	1.26	1.07	.83				
Waukegan	.44	.36	.28	.23	Fergus Falls	1.05	.87	.71	.58	Georgetown	1.51	1.29	1.11	.83				
INDIANA					Minneapolis	.60	.50	.40	.25	SOUTH DAKOTA								
Anderson	\$0.55	\$0.50	\$0.40	\$0.23	Moorehead	1.14	.95	.76	.52	Aberdeen	\$1.14	\$0.95	\$0.67	\$0.50				
Brazil	.53	.47	.37	.26	Pipestone	.83	.68	.47	.34	Deadwood	1.22	1.04	.80	.55				
Elkhart	.53	.47	.37	.26	St. Cloud	.84	.70	.56	.37	Chamberlain	1.22	1.04	.80	.55				
Evansville	.59	.50	.40	.29	Winona	.50	.42	.33	.23	Chadron	1.89	1.57	1.32	1.08				
Ft. Wayne	.53	.47	.37	.26	MISSISSIPPI					Pierre	1.22	1.04	.80	.55				
Indianapolis	.53	.47	.37	.26	Aberdeen	\$1.29	\$1.06	\$0.82	\$0.70	Redfield	1.14	.95	.67	.50				
La Porte	.52	.47	.37	.26	Columbus	1.29	1.03	.82	.70	Scotland	1.00	.82	.65	.44				
Muncie	.55	.50	.40	.29	Greenville	1.10	.90	.75	.58	Sioux Falls	.83	.68	.47	.34				
South Bend	.52	.47	.37	.26	Jackson	1.18	.99	.80	.67	Yankton	.91	.73	.51	.37				
Terre Haute	.53	.47	.37	.26	Meridian	1.18	.99	.80	.67	TENNESSEE								
IOWA					Natchez	1.10	.90	.75	.58	Chattanooga	\$1.17	\$1.00	\$0.83	\$0.65				
Belle Plaine	\$0.44	\$0.36	\$0.29	\$0.23	MISSOURI					Jackson	1.03	.85	.70	.57				
Burlington	.21	.18	.14	.11	Hannibal	\$0.37	\$0.28	\$0.24	\$0.20	Knnoxville	1.17	1.00	.83	.65				
Carroll	.62	.49	.38	.30	Mexico	.52	.39	.32	.24	Memphis	.85	.65	.55	.43				
Cedar Rapids	.26	.21	.17	.13	St. Louis	.43	.35	.27	.22	Nashville	.79	.68	.54	.41				
Davenport	.17	.14	.11	.09	Kirksville	.57	.45	.35	.24	VERMONT								
Des Moines	.42	.31	.24	.19	Malden	.99	.85	.69	.55	Bennington	\$1.05	\$0.92	\$0.72	\$0.52				
Dubuque	.27	.22	.17	.13	De Soto	.70	.56	.46	.38	Montpelier	1.05	.92	.72	.52				
Keokuk	.32	.25	.20	.15	MONTANA					Newport	1.05	.92	.72	.52				
Marshalltown	.47	.39	.31	.24	Billings	\$2.55	\$2.15	\$1.75	\$1.42	St. Johnsbury	1.05	.92	.72	.52				
Mason City	.46	.34	.26	.21	Butte	2.85	2.35	1.93	1.60	VIRGINIA								
Oskaloosa	.24	.20	.16	.12	Glenview	2.09	1.77	1.44	1.14	Leesburg	\$1.23	\$1.07	\$0.84	\$0.62				
Ottumwa	.23	.19	.15	.11	Missoula	2.93	2.46	2.00	1.67	Norfolk	.93	.81	.62	.43				
Webster City	.56	.45	.35	.27	NEW HAMPSHIRE					Orange	.93	.81	.62	.43				
KENTUCKY					Concord	\$1.05	\$0.92	\$0.72	\$0.52	Richmond	.93	.81	.62	.43				
Ashland	\$0.69	\$0.61	\$0.48	\$0.34	Haverhill	1.05	.92	.72	.52	Staunton	.93	.81	.62	.43				
Bowling Green	1.16	.99	.84	.69	Keene	1.05	.92	.72	.52	WEST VIRGINIA								
Covington	.66	.58	.46	.32	Plymouth	1.05	.92	.72	.52	Charleston	\$0.69	\$0.61	\$0.48	\$0.34				
Frankfort	.85	.73	.60	.46	NEW JERSEY					Hinton	.93	.81	.62	.43				
Fulton	.87	.75	.61	.44	Bridgeton	\$1.03	\$0.90	\$0.72	\$0.53	Parkersburg	.69	.61	.48	.34				
Lexington	.87	.75	.61	.44	Paterson	.97	.84	.66	.47	Wheeling	.69	.61	.48	.34				
Louisville	.61	.52	.42	.32	Salem	1.03	.90	.72	.53	ALABAMA								
					Trenton	.97	.84	.66	.47	Ashland					\$0.69	\$0.61	\$0.48	\$0.34

Now Ready



Montgomery Ward & Co.'s Book of Building Plans for 1910

Contains Residences, Cottages, Barns, Cow Barns and Silos, as well as Miscellaneous Farm Buildings in variety, ranging in price from a few hundred to a few thousand dollars to build complete. In this Book of Building Plans are illustrations of each building, showing exterior views, floor plans and sizes of rooms. The designs in this work are original, prepared for us at considerable expense by architects well known in New York and Chicago, and are not obtainable elsewhere.

This Book of Plans is intended to be helpful to our customers, and to contain suggestions that will please all who contemplate doing any building, because they are sensible, practical and moderate in cost, if the material is bought right.

We do not wish to charge anything for this Book of Building Plans to those who expect to build, and while sending it free ask you to

Send Us 10 cents in Stamps with your request, and we will send it postpaid.

When you receive this Book of Plans, if you find in it some plan that just suits your need, you can obtain of us **Working Blue Prints** of same, in the regulation scale of $\frac{1}{4}$ inch to the foot, for \$1.00. This working blue print in any practical carpenter's hands will be a complete guide to the construction of the building and will save the expense of all architect's fees. Furthermore, the working blue prints will have our catalogue numbers affixed to each piece of mill work shown so that you can figure the price and send the order intelligently and with the least trouble to yourself, for all material in the building except the rough lumber, brick or stone, which we do not carry.

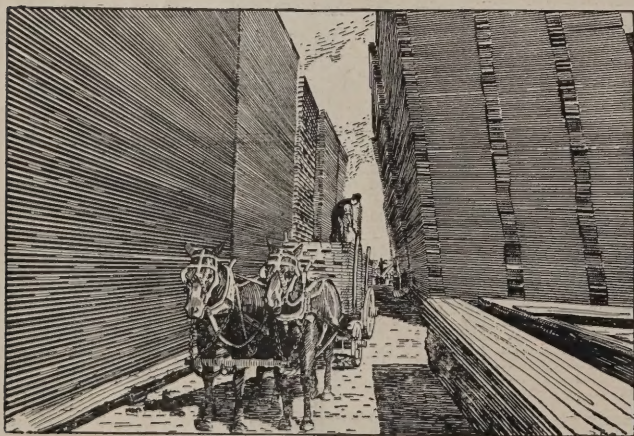
If you have your own ideas of the building you are about to construct, and employ your own architect (which is a very good plan many times), you can still secure all the mill work of us for any building you have in contemplation, and can do so at a large saving in money. It is not only for the buildings shown in our Book of Building Plans that we carry mill work and other materials, but for any building, in city, town or country, whoever designs it or builds it.

If we can save you from one-third to one-half on your building material bill, you have a right to know it and profit by it.

Whether or not you send to us for our Book of Building Plans, you have now in your hands our newest Building Material and Mill Work Catalogue and price list that posts you fully on our low market prices, and you may not need the Book of Plans at all. Order right from this catalogue and we will fill your orders promptly.

If you desire the Book of Building Plans, please so state when you send us the ten cents in stamps to pay for packing and postage.

We Can Save You From \$100 to \$200 per Car on Lumber



An alley way in our lumber yard

WE HAVE JUST CLOSED CONTRACTS with some of the finest lumber mills under the terms of which we are now able to give our customers extremely low prices on the highest grade lumber of every description, prices which will enable you to save from \$100 to \$200 per carload. Up to the present time we have been giving our attention almost exclusively to the finer grades of building material as illustrated and described in the pages of this catalogue, and in the pages of our free Building Material catalogue. We have specialized in mill work, including doors and windows, window and door frames, stair work, mouldings, etc., etc., and in this line of material we have named prices so low that when you buy from us you have made very large savings over the price you would have to pay if you purchased at the usual retail prices, but since the volume of our business in this line of building materials has grown so large and our service, our goods and our prices have proven so satisfactory to our customers, we have had repeated inquiries as to why we did not offer our customers an opportunity to buy everything they need in the way of building materials, from the rough di-

mension lumber to the finest mill work, and in recognition of this very general demand we entered into negotiations with several large and splendidly equipped lumber mills in the heart of the timber districts with a view to closing contracts which would enable us to name correspondingly low prices on the best grades of lumber. These negotiations have now been concluded, and we are in a position to offer you the highest grade lumber of every description. We can give you 2x4's, 2x6's, 2x8's, 2x10's, 2x12's or any other dimension in timber. We can supply laths, shingles, sheathing, fencing, flooring, in short, every kind of lumber you will need, and offer it to you in carload lots at astonishingly low prices. Since we have concluded these splendid contracts it is now possible for you to order the materials for a complete building from us with the single exception of lime, sand, hair and cement, and if you want to save the largest possible sum of money on any contemplated building, be sure to write us for our special quotations on your lumber bill.

OUR QUALITIES are of the highest grade, the very best obtainable, and you are certain to get such grades as you could not obtain at home or elsewhere, because our mills are located in the heart of the best lumber districts in the United States and the volume of our business is so large that the mills give us exceptionally favorable service. You are certain to get anything you need in the shortest possible time. Remember that when you place your order for a large bill of lumber with the average retail dealer he must order it from his jobber. We are able to supply lumber in carload lots just as quickly as any retailer, but more important than all else, our methods are more economical for you because our price is based on cost at the mill with just one small profit added, whereas the prices usually asked for lumber include profits to the retailer, to the jobber and the broker in addition to the profits to the mills. In other words, we are applying to the sale of lumber the same scientific merchandising principles which we have applied to the other lines of merchandise sold by us with very large savings to our customers.

BEFORE YOU BUILD be sure to write for our lumber price list. The prices of lumber fluctuate from month to month, and we are therefore unable to quote prices in the pages of this catalogue, but if you will just drop us a postal card or a letter and say that you are in the market for lumber we will send you our current price list of lumber by return mail, and at the same time we will send you a copy of our big free building material catalogue and you will quickly discover that we will bring the cost of your proposed building to a price much lower than you can hope to obtain if you buy materials from anyone else.

WE GUARANTEE to serve you quickly, to give you the highest grade materials, the very best obtainable, and at prices guaranteed to be lower than others quote on equal grades. Do not build, do not let a contract, until you have first given us an opportunity to show you how much we can save you and how well we can serve you.

THIS RICH LOOKING FRONT DOOR

\$3⁸⁰
GLAZED

**Our Front Doors Come Under
Our Full Guarantee of Satisfaction
or Your Money Refunded.**

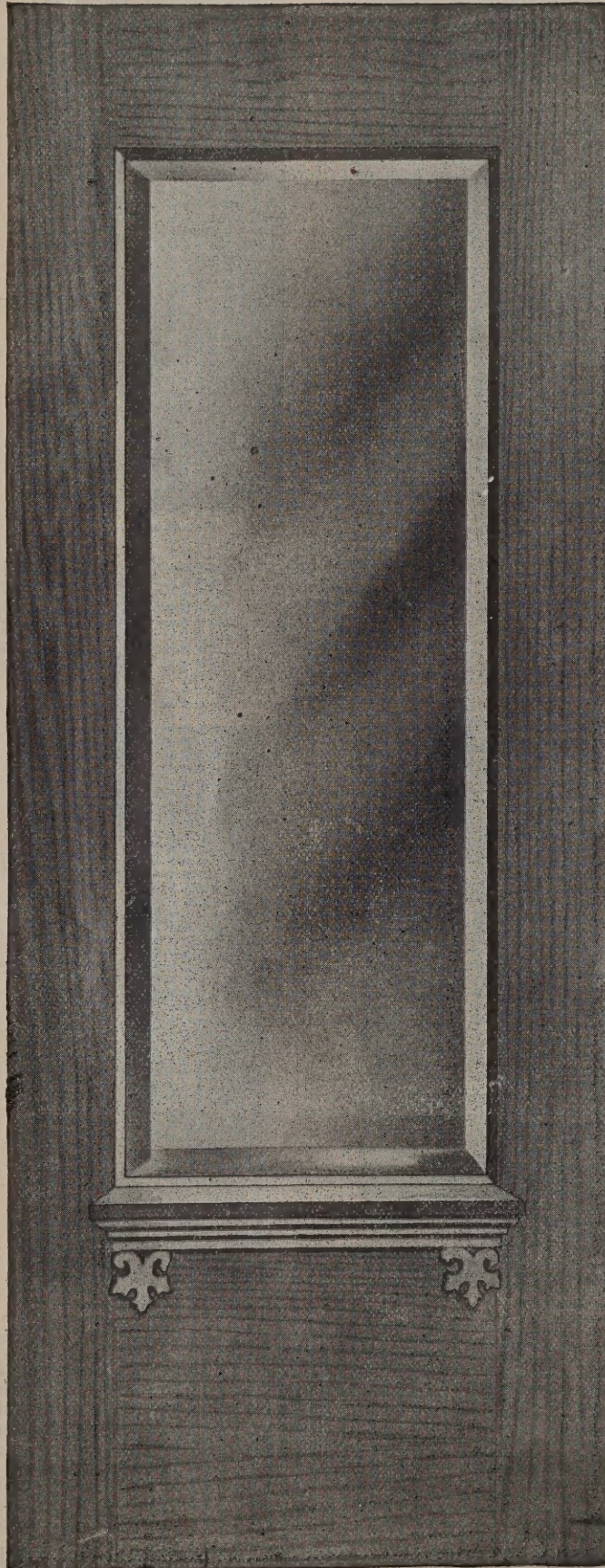
A RICH looking front door is one of the greatest attractions to the home. And at our low prices everyone can afford to have one. In building your new house or in remodeling your old home, do not fail to consider the effect that will be added to the entire appearance of the premises by having an inviting and attractive front door.

Such a door is a hearty welcome to the friend approaching it; it is like a smile on the face. It gives the appearance of true prosperity and indicates the progressiveness of the owner. By all means set apart a few dollars for an up-to-date front door.

The Modern Door

is shown in many patterns in this catalogue. Look them over and make your selection.

The illustration on this page is of a door that is universally pleasing, and that is being largely demanded for fine homes in the city, town and country. You will find it listed in this catalogue under name of Juno, in sizes from 2 ft. 6 in. x 6 ft. 6 in. up to 3 ft. x 7 ft., and at prices from \$2.70 unglazed, to \$13.65 in bevel plate glazing. It is made in strictly "A" grade white pine, and is very satisfactory in appearance, while not prohibitive in price.



There is a proportion to this door that is pleasing. Notice that the distance from the top of the bevel plate glass to the top of the door is greater than is usual in this style doors.

This is the direct result of study and thought by our mill work designer, looking to improve the balance and pleasing effect, and it has been an instantaneous success. This simple improvement increased the sale of this door over ten thousand orders in a single season.

You will find variations of this style in our Nero, Jupiter, Pasha and Regent doors; and throughout the early pages of this catalogue are other front doors calculated to suit every taste and pocketbook. Look them over.

Nowhere else can so large and careful a selection of doors be found, nor prices that represent so large a saving.

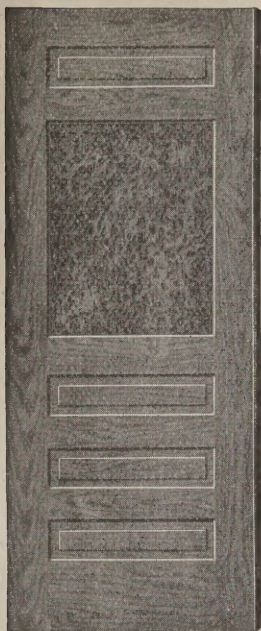
Note that we ship most of our doors either from Chicago or from factory in Iowa, on the Mississippi River, whichever is nearest, quickest and cheapest for you.

Our front doors, like all other goods in this catalogue, come under our full guarantee of satisfaction or your money back. You take no chances of dissatisfaction or loss when you purchase any kind of goods of us. Our windows, doors, etc., are packed carefully for shipment to any distance and are guaranteed to reach you in perfect condition.

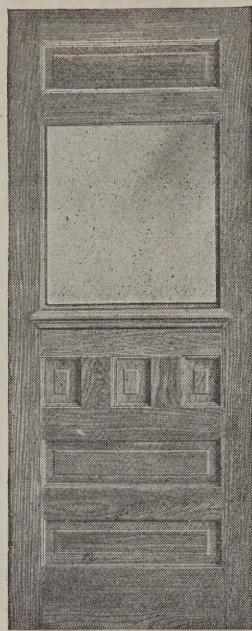


Front Doors

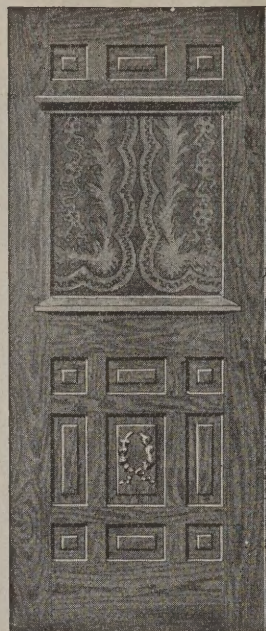
Marchioness



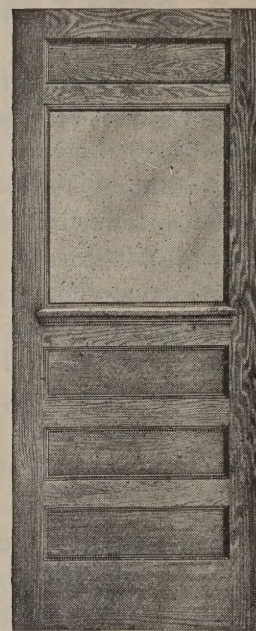
Viceroy



Consul



Marquis



Marchioness

Viceroy

Consul

Marquis

Catalogue Nos.

Glazed Cut

Catalogue Nos.

Glazed Plain

Size
1 1/4 in. Thick
Ft. In. Ft. In.

Catalogue Nos.

Glazed Cut

Catalogue Nos.

No. 2 Grade

Price Glazed

HF 100
HF 110
HF 120
HF 130
HF 140

\$3.00
3.18
3.65
3.70
4.00

HF 150
HF 160
HF 170
HF 180
HF 190

\$2.98
3.09
3.78
3.88
4.00

2- 6 x 6- 6
2- 8 x 6- 8
2-10 x 6-10
2- 8 x 7- 0
3- 0 x 7- 0

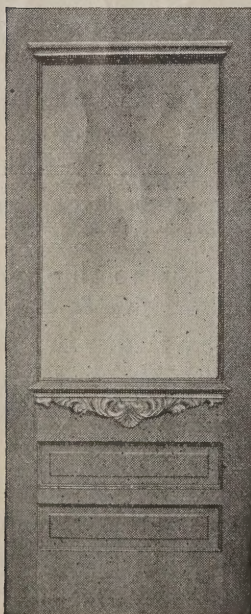
HF 250
HF 260
HF 270
HF 280
HF 290

\$3.45
3.65
4.00
4.10
4.35

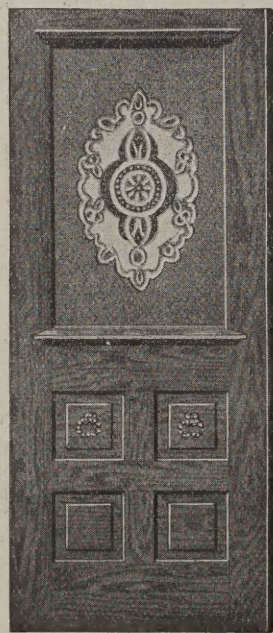
HF 300
HF 310
HF 320
HF 330
HF 340

\$2.80
2.95
3.40
3.45
3.75

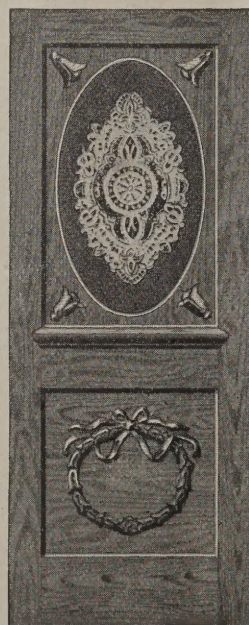
Premier



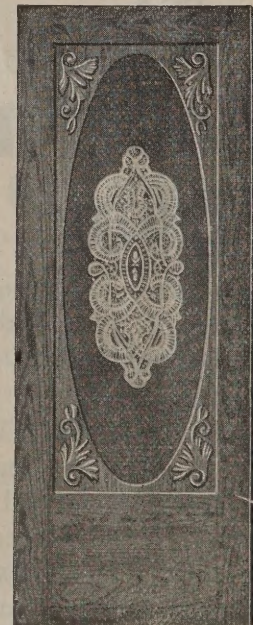
Alexandria



Babylon



Pharoah



Premier

Alexandria

Babylon

Pharoah

Cat. No. Glazed Plain Cat. No. Glazed Bevel Plate

H 350 \$3.60 H 400 \$8.08
H 360 3.90 H 410 8.88
H 370 4.51 H 420 10.15
H 380 4.58 H 430 10.20
H 390 4.94 H 440 11.26

Glazed Bevel Plate

Cat. No. Glazed Cut

HF 450 \$3.30
HF 460 3.45
HF 470 4.00
HF 480 4.05
HF 490 4.30

Size
1 1/4 in. Thick
Ft. In. Ft. In.

2- 6 x 6- 6
2- 8 x 6- 8
2-10 x 6-10
2- 8 x 7- 0
3- 0 x 7- 0

Cat. No. Glazed Plain Cat. No. Glazed Cut

HF 500 \$5.05 HF 550 \$5.20
HF 510 5.20 HF 560 5.40
HF 520 5.60 HF 570 5.80
HF 530 5.70 HF 580 5.85
HF 540 5.95 HF 590 6.10

Cat. No. Glazed Bevel Plate

HF 600 \$5.42 HF 650 \$9.95
HF 610 5.66 HF 660 10.80
HF 620 6.10 HF 670 11.95
HF 630 6.29 HF 680 11.80
HF 640 6.58 HF 690 13.10

Cat. No. Glazed Bevel Plate

Cat. No. Glazed Bevel Plate

All doors shown on this page are strictly first quality white pine, Clear Western stock permitted. All sizes listed are carried in stock in 1 1/4 inch thickness. Odd sizes extra price. We can, however, supply

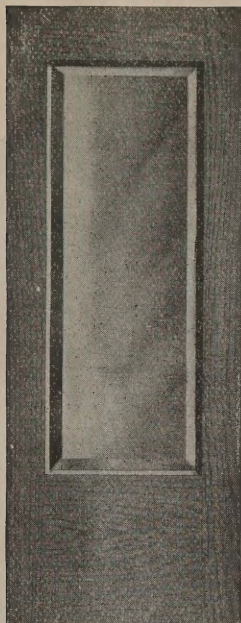
any of these designs in 1 1/4 inch thickness, but same will have to be made to order and it will require about three weeks to make delivery. Prices on the 1 1/4 doors quoted on application.

The prefix HF means that goods are shipped direct from mill

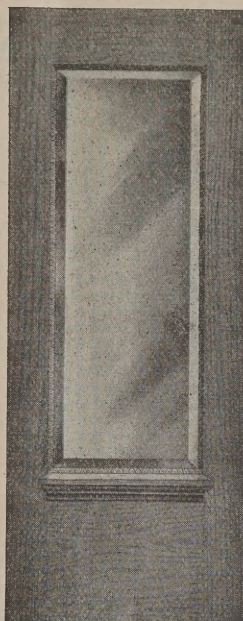


Front Doors

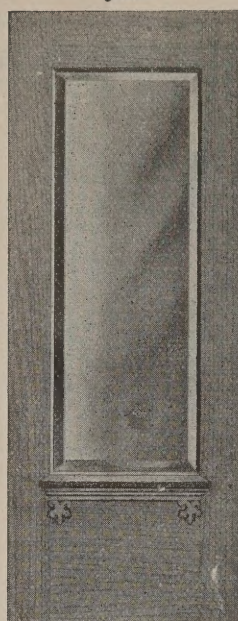
Nero



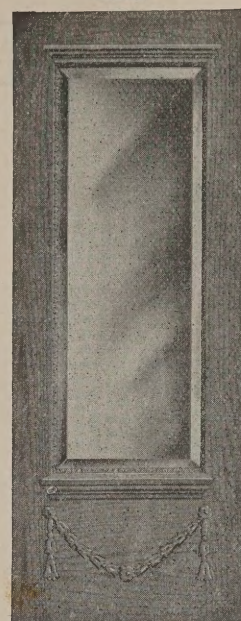
Jupiter



Juno



Pasha



Nero

Cat. Nos.	Glazed Plain	Cat. Nos.	Glazed Bevel Plate
H 700	\$3.35	H 750	\$9.65
H 710	3.60	H 760	9.75
H 720	4.10	H 770	11.00
H 730	4.10	H 780	10.75
H 740	4.40	H 790	13.30

Jupiter

Cat. Nos.	Glazed Plain	Cat. Nos.	Glazed Bevel Plate	Size 1% in. Thick
H 800	\$3.60	H 850	\$9.90	2- 6 x 6- 6
H 810	3.85	H 860	10.00	2- 8 x 6- 8
H 820	4.35	H 870	11.25	2-10 x 6-10
H 830	4.35	H 880	11.00	2- 8 x 7- 0
H 840	4.65	H 890	13.55	3- 0 x 7- 0

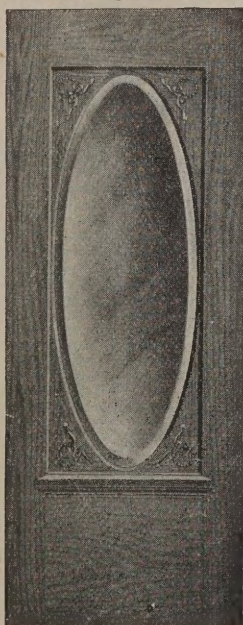
Juno

Cat. Nos.	Glazed Plain	Cat. Nos.	Glazed Bevel Plate
H 900	\$3.80	H 950	\$10.00
H 910	4.05	H 960	10.10
H 920	4.55	H 970	11.35
H 930	4.55	H 980	11.10
H 940	4.85	H 990	13.65

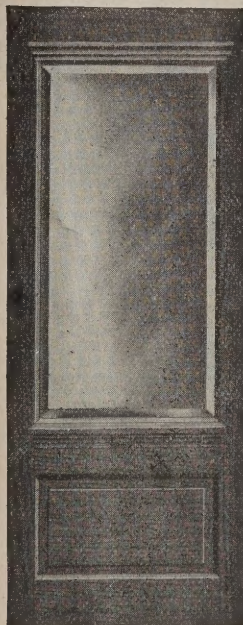
Pasha

Cat. Nos.	Glazed Plain	Cat. Nos.	Glazed Bevel Plate
H 1000	\$4.10	H 1050	\$10.30
H 1010	4.35	H 1060	10.40
H 1020	4.90	H 1070	11.65
H 1030	4.90	H 1080	11.40
H 1040	5.15	H 1090	13.95

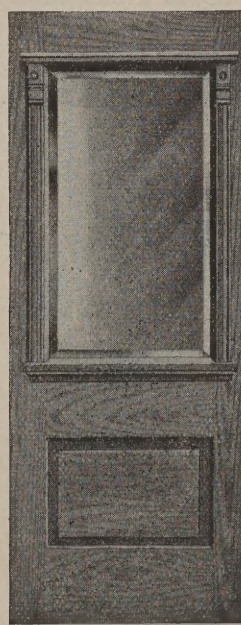
Regent



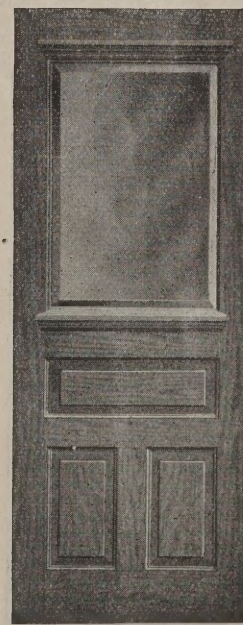
Baroness



Baron



Sultan



Regent

Cat. Nos.	Glazed Plain	Cat. Nos.	Glazed Bevel Plate
H 1100	\$6.35	H 1150	\$11.00
H 1110	6.45	H 1160	11.15
H 1120	7.00	H 1170	12.35
H 1130	7.00	H 1180	12.10
H 1140	7.15	H 1190	14.50

Baroness

Cat. Nos.	Glazed Plain	Cat. Nos.	Glazed Bevel Plate	Size 1% in. Thick
H 1200	\$3.25	H 1250	\$7.25	2- 6 x 6- 6
H 1210	3.50	H 1260	7.95	2- 8 x 6- 8
H 1220	3.90	H 1270	8.90	2-10 x 6-10
H 1230	3.90	H 1280	8.85	2- 8 x 7- 0
H 1240	4.35	H 1290	9.80	3- 0 x 7- 0

Baron

Cat. Nos.	Glazed Plain	Cat. Nos.	Glazed Bevel Plate
H 1300	\$3.20	H 1350	\$7.00
H 1310	3.30	H 1360	7.70
H 1320	3.80	H 1370	8.70
H 1330	3.80	H 1380	8.65
H 1340	4.05	H 1390	9.55

Sultan

Cat. Nos.	Glazed Plain	Cat. Nos.	Glazed Bevel Plate
H 1400	\$3.00	H 1450	\$5.47
H 1410	3.20	H 1460	7.34
H 1420	3.35	H 1470	8.40
H 1430	3.35	H 1480	8.45
H 1440	3.70	H 1490	9.35

All doors on this page are strictly "A" grade and made from White Pine, clear western stock. All listed sizes carried in stock. Odd sizes furnished at an extra price.

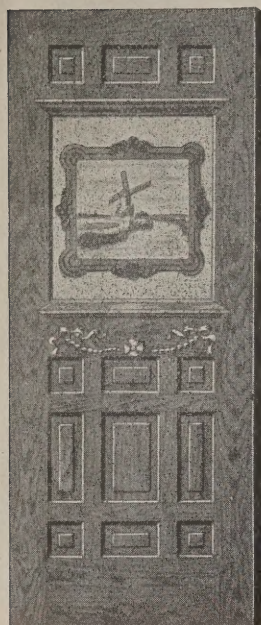
We particularly desire our trade to know that our millwork is made of the best material and that the workmanship is all that it should be. Our stock is turned out of one of the best mills in the country.

Goods on This Page are Shipped from Chicago. but may be shipped from Factory in Eastern Iowa, if so Ordered.

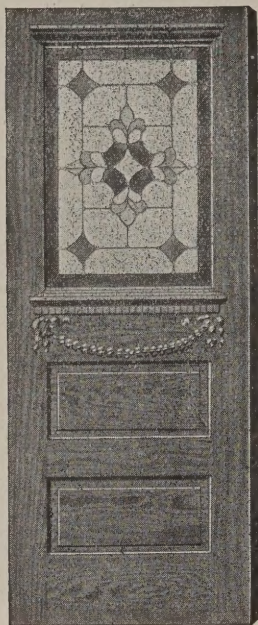


Front Doors

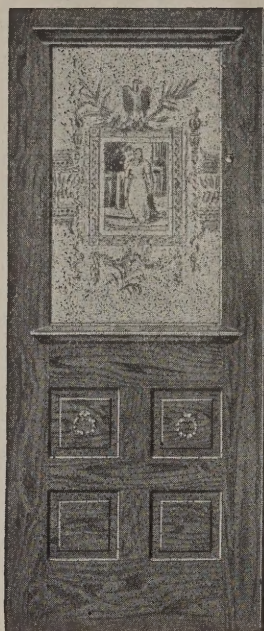
Venus



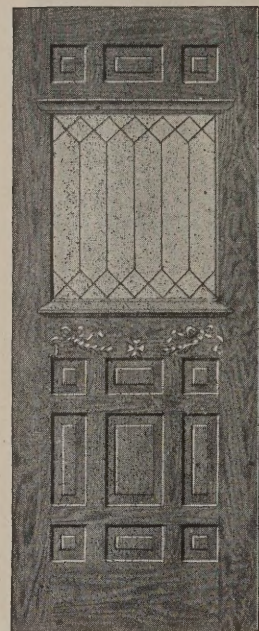
Emperor



Czar



Czarina



Venus

Cat. Nos.	Glazed Plain	Cat. Nos.	Glazed Cut
HF 1550	\$3.35	HF 1600	\$3.45
HF 1560	3.55	HF 1610	3.65
HF 1570	3.90	HF 1620	4.05
HF 1580	4.00	HF 1630	4.10
HF 1590	4.25	HF 1640	4.35

Emperor

Cat. Nos.	Glazed Plain	Cat. Nos.	Glazed Cut
HF 1650	\$3.40	HF 1700	\$5.40
HF 1660	3.60	HF 1710	6.00
HF 1670	4.10	HF 1720	6.90
HF 1680	4.15	HF 1730	6.85
HF 1690	4.45	HF 1740	7.40

SIZE

1 1/2 in. Thick	Ft.	In.	Ft.	In.
2- 6 x 6- 6	2	8	6	8
2- 8 x 6- 8	2	10	6	10
2- 10 x 6- 10	2	8	7	0
3- 0 x 7- 0	3	0	7	0

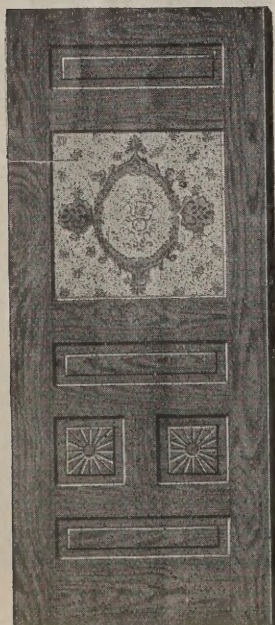
Czar

Cat. Nos.	Glazed Plain	Cat. Nos.	Glazed Cut
HF 1750	\$3.15	HF 1800	\$3.25
HF 1760	3.25	HF 1810	3.45
HF 1770	3.85	HF 1820	4.05
HF 1780	3.90	HF 1830	4.10
HF 1790	4.10	HF 1840	4.20

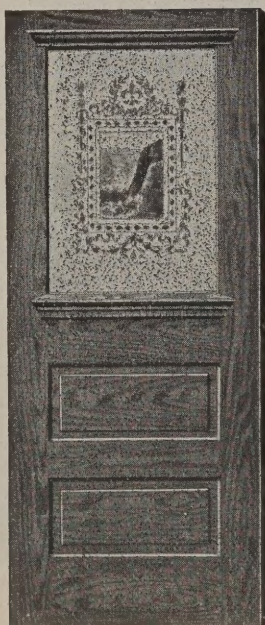
Czarina

Cat. Nos.	Glazed Plain	Cat. Nos.	Glazed Cut
HF 1850	\$3.30	HF 1900	\$4.10
HF 1860	3.45	HF 1910	4.35
HF 1870	3.90	HF 1920	4.90
HF 1880	3.95	HF 1930	5.00
HF 1890	4.25	HF 1940	5.35

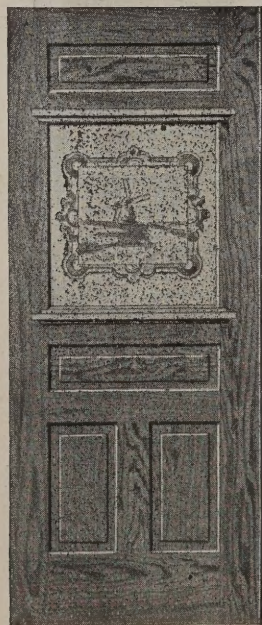
Shah



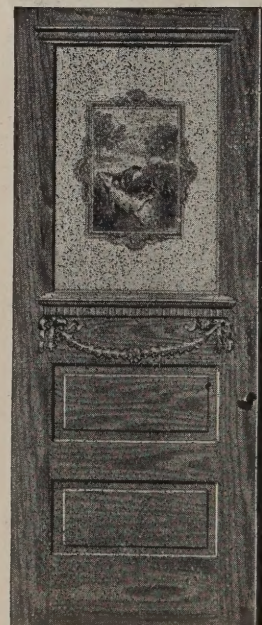
Ameer



Mikado



Empress



Shah

Cat. Nos.	Glazed Plain	Cat. Nos.	Glazed Cut
HF 1950	\$2.85	HF 2000	\$2.95
HF 1960	3.00	HF 2010	3.10
HF 1970	3.40	HF 2020	3.50
HF 1980	3.50	HF 2030	3.60
HF 1990	3.75	HF 2040	3.85

Ameer

Cat. Nos.	Glazed Plain	Cat. Nos.	Glazed Cut
HF 2050	\$3.20	HF 2100	\$3.40
HF 2060	3.25	HF 2110	3.45
HF 2070	3.75	HF 2120	3.95
HF 2080	3.80	HF 2130	4.00
HF 2090	4.05	HF 2140	4.25

SIZE

1 1/2 in. Thick	Ft.	In.	Ft.	In.
2- 6 x 6- 6	2	8	6	8
2- 8 x 6- 8	2	10	6	10
2- 10 x 6- 10	2	8	7	0
3- 0 x 7- 0	3	0	7	0

Mikado

Cat. Nos.	Glazed Plain	Cat. Nos.	Glazed Cut
HF 2150	\$2.85	HF 2200	\$2.95
HF 2160	3.00	HF 2210	3.15
HF 2170	3.40	HF 2220	3.55
HF 2180	3.55	HF 2230	3.65
HF 2190	3.75	HF 2240	3.85

Empress

Cat. Nos.	Glazed Plain	Cat. Nos.	Glazed Cut
HF 2250	\$3.30	HF 2300	\$3.50
HF 2260	3.50	HF 2310	3.75
HF 2270	3.85	HF 2320	4.05
HF 2280	3.95	HF 2330	4.15
HF 2290	4.20	HF 2340	4.40

Goods on this page are shipped from mill in Eastern Iowa



Hardwood Front Doors

Wisconsin Red Oak and Birch Veneered

Hercules



Apollo



Atlas



Plato



Hercules

Apollo

Atlas

Plato

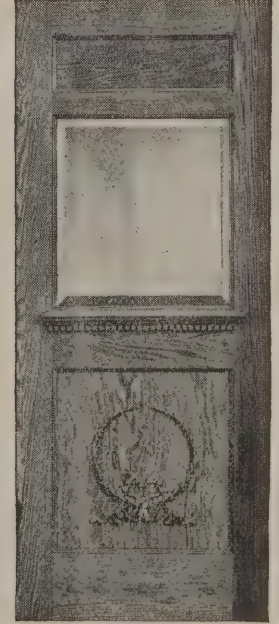
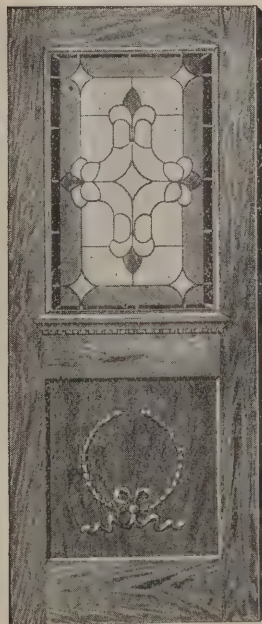
Cat. No.	Birch Bevel Plate	Cat. No.	Oak Bevel Plate	Cat. No.	Birch Bevel Plate	Cat. No.	Oak Bevel Plate	Size 1 3/4 in. Thick Ft. in. ft. in.	Cat. No.	Birch Bevel Plate	Cat. No.	Oak Bevel Plate	Cat. No.	Birch Bevel Plate	Cat. No.	Oak Bevel Plate
HF 3140	\$10.08	HF 3180	\$10.99	HF 3220	\$10.62	HF 3260	\$11.53	2- 8 x 6- 8	HF 3300	\$ 9.88	HF 3340	\$10.85	HF 3380	\$14.05	HF 3420	\$14.96
HF 3150	11.28	HF 3190	12.50	HF 3230	11.82	HF 3270	12.94	2-10 x 6-10	HF 3310	11.08	HF 3350	12.36	HF 3390	15.24	HF 3430	16.41
HF 3160	11.77	HF 3200	12.90	HF 3240	12.31	HF 3280	13.34	2-10 x 7- 0	HF 3320	11.57	HF 3360	12.79	HF 3400	15.75	HF 3440	16.93
HF 3170	12.34	HF 3210	13.79	HF 3250	12.88	HF 3290	14.21	3- 0 x 7- 0	HF 3330	12.14	HF 3370	13.64	HF 3410	16.33	HF 3450	17.52

Governor

Victoria

Diaz

President



Governor

Victoria

Diaz

President

Cat. No.	Birch	Cat. No.	Oak	Cat. No.	Birch	Cat. No.	Oak	Size 1 3/4 in. Thick Ft. in. ft. in.	Cat. No.	Birch	Cat. No.	Oak	Cat. No.	Birch	Cat. No.	Oak
HF 3460	\$6.22	HF 3500	\$7.10	HF 3540	\$8.75	HF 3580	\$ 9.62	2- 8 x 6- 8	HF 3620	\$6.27	HF 3660	\$7.15	HF 3700	\$7.44	HF 3740	\$7.94
HF 3470	6.77	HF 3510	7.87	HF 3550	9.63	HF 3590	10.73	2-10 x 6-10	HF 3630	6.99	HF 3670	8.03	HF 3710	8.10	HF 3750	8.60
HF 3480	7.15	HF 3520	8.25	HF 3560	10.18	HF 3600	11.28	2-10 x 7- 0	HF 3640	7.37	HF 3680	8.53	HF 3720	8.40	HF 3760	8.90
HF 3490	7.37	HF 3530	8.53	HF 3570	10.73	HF 3610	11.66	3- 0 x 7- 0	HF 3650	7.65	HF 3690	8.75	HF 3730	8.85	HF 3770	9.35

Goods on this page shipped direct from mill in Eastern Iowa

Our prices
are within
reach of
all.

Veneered Doors

Birch and Red Oak

Rotary Cut Veneers

Remember
these doors
are high
grade.

Earl

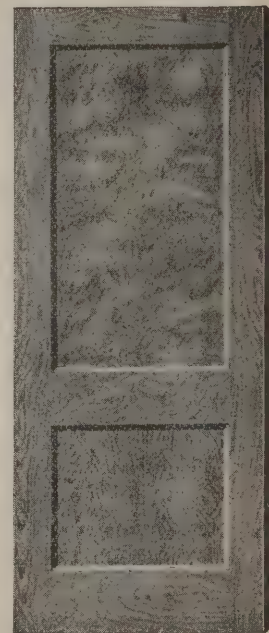


Red oak is standard and too well known to require description. The finest effects in oak veneers are obtained by rotary cutting and heretofore were used only in the most elaborate and expensive buildings. By making certain sizes in large quantities we are able to use these beautiful veneers on our doors and sell them in stock sizes at prices within reach of all. A little forethought in planning your building will enable you to use these doors and secure the advantages of beauty, durability, and low prices.

The doors shown in this book are high-grade doors, and suitable for the better class of buildings; and, being a special line from the common stock door, they merit the attention of all builders.

Shrewd contractors are making money by using them.

Helen



Care of Hardwood Doors

ALL WOOD IS POROUS and the drier and more thoroughly seasoned it is, the more readily it absorbs moisture and is affected by climatic conditions. For instance, when an unfinished hardwood door is placed in a damp room, it quickly absorbs the moisture in the air, consequently expands or swells, and when it returns to normal conditions (that is, when the moisture is all dried out), the door is warped and twisted all out of shape, the joints open, etc., and it takes much time and work to repair the damage. This could easily have been avoided, if only a little precaution and care had been exercised in the handling of the door.

IN THE FIRST PLACE, just as soon as the door is taken from the depot, have a finisher give it at least one coat of filler; two are better, but one will do. The reason for this is that the door is shipped "in the white" with all the pores of the wood open and ready to absorb moisture unless protected. The packing protects it during shipment, but after this is removed the filler must be quickly applied.

FINALLY, don't hang your door in a damp, freshly plastered building. This refers not alone to doors, but to all kinds of fine interior finish. Mortar, as you know, contains large quantities of water and until the moisture has dried out of the walls, the house is not healthy to live in and not fit for occupancy. Neither is it in the right condition to receive hardwood doors or any other fine woodwork quickly affected by climatic conditions, and the manufacturer should not be blamed, if the product upon which every care is exercised in the making, is not handled properly upon arrival at destination.

WHERE POSSIBLE it is always well to have a little artificial heat to help dry out the building before a hardwood door is hung. After the door is hung and no more "fitting" is to be done on it, it is an excellent plan to cover the ends of the stiles (both top and bottom) with at least one coat of good paint. This will prevent moisture from entering the "end pores" of the wood.

A good filler should be used.

IF THE ABOVE HINTS AND SUGGESTIONS are carried out after the door leaves our hands, we can positively guarantee every hardwood door to be a "perfect door," and what is more, it will stay "perfect" and prove a lasting thing of beauty.

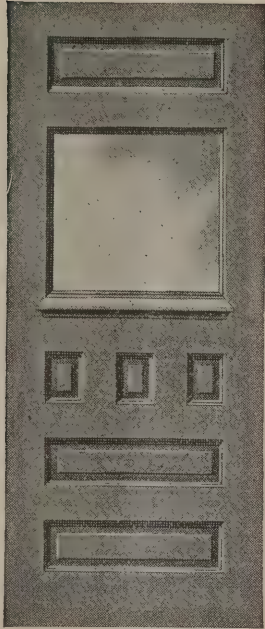
EARL				Size of Doors carried in stock at mills for prompt shipment	Thick- ness	HELEN			
Birch		Red Oak				Birch		Red Oak	
Cat. Nos.	Price	Cat. Nos.	Price			Cat. Nos.	Price	Cat. Nos.	Price
HF 2400	\$2.85	HF 2405	\$3.75	2-0 x 6-0	1 1/4"	HF 2550	\$3.25	HF 2555	\$4.00
HF 2410	2.85	HF 2415	3.75	2-0 x 6-6	1 1/4"	HF 2560	3.50	HF 2565	4.25
HF 2420	2.85	HF 2425	3.75	2-6 x 6-6	1 1/4"	HF 2570	3.60	HF 2575	4.35
HF 2430	2.98	HF 2435	3.80	2-6 x 6-8	1 1/4"	HF 2580	3.90	HF 2585	4.65
HF 2440	2.98	HF 2445	3.80	2-8 x 6-8	1 1/4"	HF 2590	3.90	HF 2595	4.65
HF 2450	3.49	HF 2455	4.50	2-10 x 6-10	1 1/4"	HF 2600	4.46	HF 2605	5.21
HF 2460	3.50	HF 2465	4.55	2-6 x 7-0	1 1/4"	HF 2610	4.70	HF 2615	5.45
HF 2470	3.60	HF 2475	4.60	2-8 x 7-0	1 1/4"	HF 2620	4.70	HF 2625	5.45
HF 2480	3.85	HF 2485	4.95	3-0 x 7-0	1 1/4"	HF 2630	4.77	HF 2635	5.75
HF 2490	3.58	HF 2495	4.40	2-8 x 6-8	1 1/4"	HF 2640	4.51	HF 2645	5.50
HF 2500	4.09	HF 2505	5.10	2-10 x 6-10	1 1/4"	HF 2650	5.06	HF 2655	6.06
HF 2510	4.10	HF 2515	5.15	2-6 x 7-0	1 1/4"	HF 2660	5.30	HF 2665	6.30
HF 2520	4.20	HF 2525	5.20	2-8 x 7-0	1 1/4"	HF 2670	5.30	HF 2675	6.30
HF 2530	4.45	HF 2535	5.55	2-10 x 7-0	1 1/4"	HF 2680	5.37	HF 2685	6.40
HF 2540	4.45	HF 2545	5.55	3-0 x 7-0	1 1/4"	HF 2690	5.37	HF 2695	6.40

Doors on this page shipped direct from mills in Eastern Iowa.

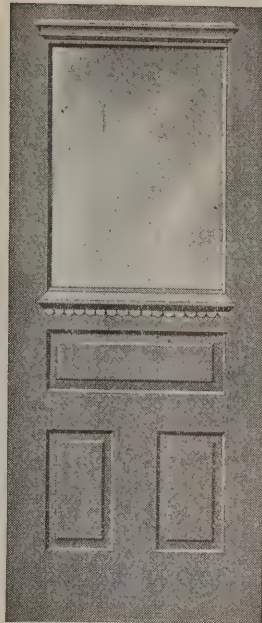
Painted Doors

REMEMBER: These Doors are carefully shellaced and painted with two coats of pure paint applied with a brush. They are not dipped. This is an important feature.

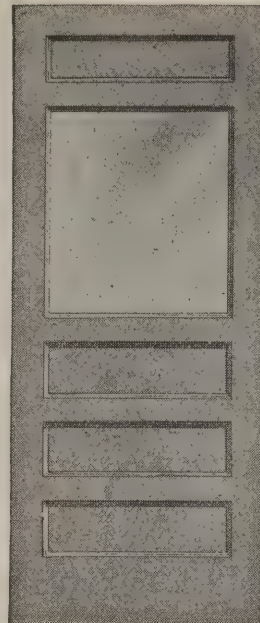
Prince



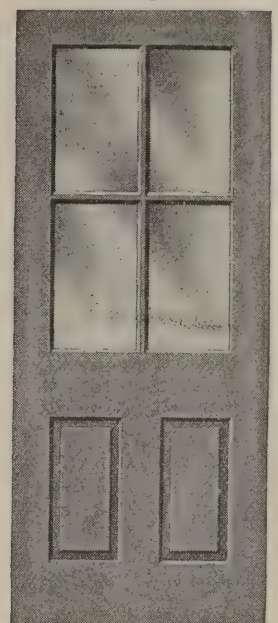
Count



Duke



King



Prince

Cat. Nos.	Glazed Plain	Cat. Nos.	Glazed Sand Blast
H 4000	\$2.05	H 4040	\$2.35
H 4010	2.20	H 4050	2.40
H 4020	2.65	H 4060	2.75
H 4030	2.85	H 4070	3.00

Count

Cat. Nos.	Glazed Plain	Cat. Nos.	Glazed Sand Blast
H 4080	\$2.05	H 4120	\$2.30
H 4090	2.20	H 4130	2.35
H 4100	2.65	H 4140	2.75
H 4110	2.85	H 4150	3.05

Size 1½ in. Thick

2- 6 x 6- 6
2- 8 x 6- 8
2-10 x 6-10
3- 0 x 7- 0

Duke

Cat. Nos.	Glazed Plain	Cat. Nos.	Glazed Sand Blast
H 4160	\$2.00	H 4200	\$2.30
H 4170	2.15	H 4210	2.40
H 4180	2.60	H 4220	2.75
H 4190	2.80	H 4230	3.05

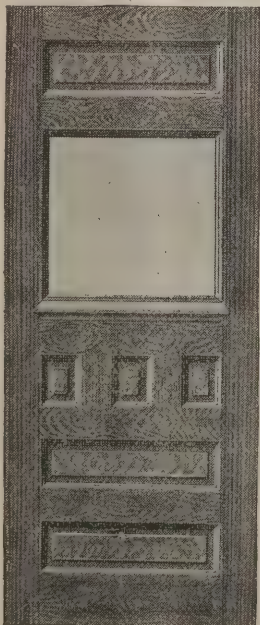
King

Cat. Nos.	Glazed Plain
H 4240	\$1.95
H 4250	2.10
H 4260	2.65
H 4270	2.85

Grained Doors

Shellaced and painted with two coats of pure paint, one coat of graining and hand grained (not stencil work). One of the best grained doors on the market.

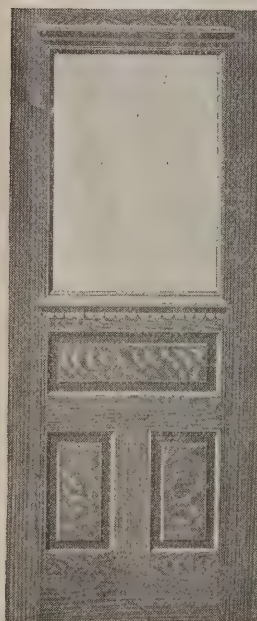
Princess



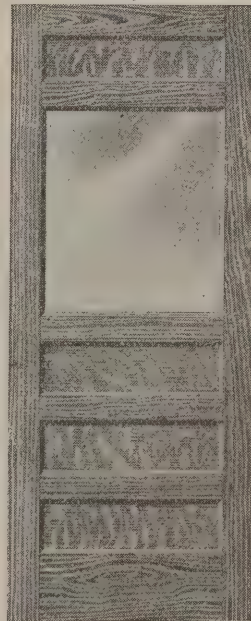
We carry in stock and can ship promptly all sizes and designs listed.

Any other thickness or special or odd sizes not supplied.

Countess



Duchess



We might mention that most of these doors are used with plain glass.

However, if you prefer we can furnish with glazed sand blast.

Queen



Princess

Cat. Nos.	Glazed Plain	Cat. Nos.	Glazed Sand Blast
H 4280	\$2.15	H 4320	\$2.40
H 4290	2.30	H 4330	2.50
H 4300	2.75	H 4340	2.80
H 4310	2.95	H 4350	3.10

Countess

Cat. Nos.	Glazed Plain	Cat. Nos.	Glazed Sand Blast
H 4360	\$2.15	H 4400	\$2.40
H 4370	2.30	H 4410	2.45
H 4380	2.75	H 4420	2.85
H 4390	2.85	H 4430	3.15

Size 1½ in. Thick

2- 6 x 6- 6
2- 8 x 6- 8
2-10 x 6-10
3- 0 x 7- 0

Duchess

Cat. Nos.	Glazed Plain	Cat. Nos.	Glazed Sand Blast
H 4440	\$2.10	H 4480	\$2.40
H 4450	2.25	H 4490	2.50
H 4460	2.70	H 4500	2.80
H 4470	2.80	H 4510	3.10

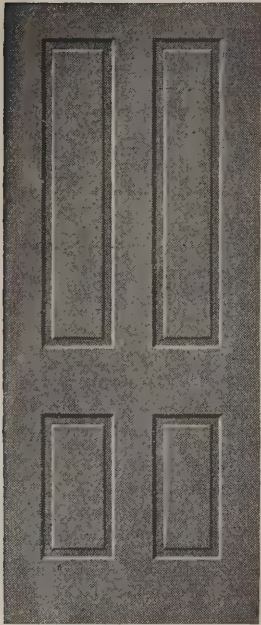
Queen

Cat. Nos.	Glazed Plain
H 4520	\$2.05
H 4530	2.20
H 4540	2.65
H 4550	2.85

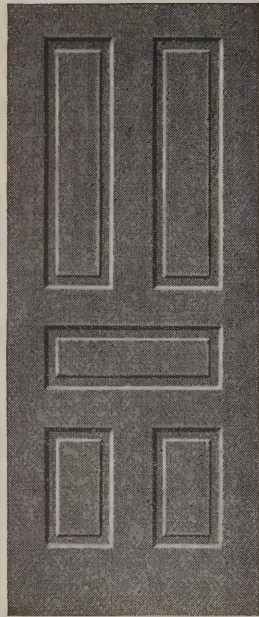
Goods on this page shipped either from Chicago or factory in Eastern Iowa.

Painted and Grained Doors

PAINTED DOORS



4 Panel



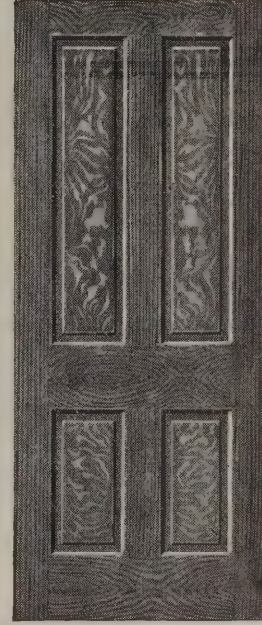
5 Panel

Our Painted
and
Grained Doors
are made from D Grade
WISCONSIN
WHITE PINE

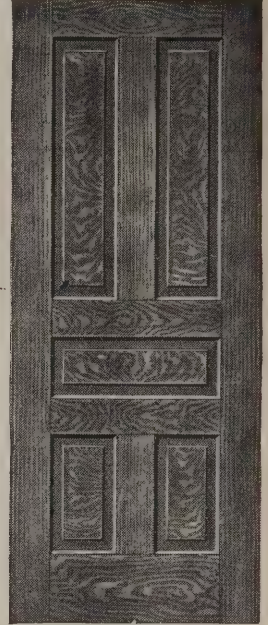
We do not use Hemlock
or Tamarack in
our Doors

All knots shellacked and
painted with good
Paints

GRAINED DOORS



4 Panel



5 Panel

1½ in. Thick Cat. No.	Price	1½ in. Thick Cat. No.	Price	1½ in. Thick Cat. No.	Price	1½ in. Thick Cat. No.	Price	SIZES	1½ in. Thick Cat. No.	Price	1½ in. Thick Cat. No.	Price	1½ in. Thick Cat. No.	Price
H 4700	\$1.10	H 4750	\$1.27	H 4900	\$1.26	H 4940	\$1.35	2- 0 x 6- 0	H 4980	\$1.25	H 5030	\$1.40	H 5070	\$1.50
H 4710	1.21	H 4760	1.35	H 4910	1.32	H 4950	1.40	2- 6 x 6- 6	H 4990	1.35	H 5040	1.47	H 5080	1.55
H 4720	1.30	H 4770	1.53	H 4920	1.47	H 4960	1.59	2- 8 x 6- 8	H 5000	1.41	H 5050	1.65	H 5090	1.75
H 4730	1.45	H 4780	1.58	H 4930	1.60	H 4970	1.66	2-10 x 6-10	H 5010	1.55	H 5060	1.70	H 5100	1.80
H 4740	1.57							3- 0 x 7- 0	H 5020	1.69				

Storm Doors

Antony



Painted

Storm doors such as we illustrate will save several times their cost in one season. They are made of sound material and made enough larger than regular doors to allow for fitting in frames.

We paint our storm doors with the "Best Weather Proof Paint" obtainable which will withstand the severe blasts of winter weather.

The following sizes are carried in stock at our factory in eastern Iowa at all times, both painted and grained, and will be shipped direct within a few days from receipt of order.

Antony				SIZES	Cleopatra			
1½ in. Thick					1½ in. Thick			
Cat. No.	Painted	Cat. No.	Grained		Cat. No.	Glazed Plain Painted	Cat. No.	Glazed Plain Grained
HF 5105	\$1.30	HF 5130	\$1.52	2- 6¾ x 6- 7	HF 5155	\$1.90	HF 5180	\$2.03
HF 5110	1.36	HF 5135	1.58	2- 8¾ x 6- 9	HF 5160	2.00	HF 5185	2.13
HF 5115	1.50	HF 5140	1.72	2-10¾ x 6-11	HF 5165	2.20	HF 5190	2.33
HF 5120	1.59	HF 5145	1.80	2- 8¾ x 7- 1	HF 5170	2.25	HF 5195	2.38
HF 5125	1.62	HF 5150	1.84	3- 0¾ x 7- 1	HF 5175	2.35	HF 5200	2.48

Cleopatra



Painted

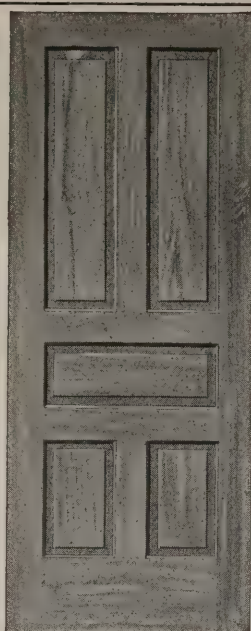
Panel doors shipped either from factory in Eastern Iowa or Chicago. Storm doors shipped direct from Iowa factory only.



O. G. 4 Panel

White Pine Doors

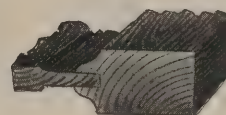
We pack all our doors with paper and crate them securely, so that they reach you bright and clean. Quality always guaranteed.



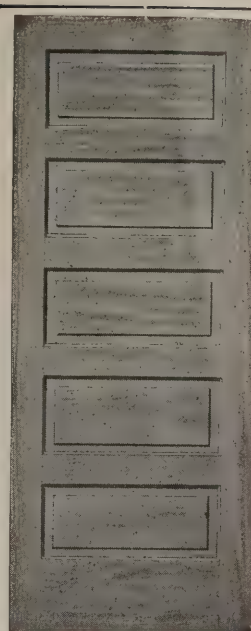
O. G. 5 Panel

Strictly A Quality

This cut shows the O. G. sticking and the raised panel both sides.



Our factory for mill work is completely equipped with modern machinery operated by a large force of skilled workmen.



O. G. 5 Cross Panel

O. G. Four Raised Panels

1 1/2 inch.	1 1/2 inch.	1 1/2 inch.	
Cat. Nos.	Price	Cat. Nos.	Price
H 6000	\$1.55	HF 6090	\$1.73
HF 6010	1.68	HF 6100	1.86
HF 6015	1.70	HF 6105	1.87
		HF 6108	1.92
H 6020	1.79	H 6110	1.98
		HF 6112	2.05
		HF 6113	1.90
		HF 6114	1.95
		H 6115	2.03
H 6030	1.84	HF 6120	2.05
		H 6125	2.46
		HF 6127	2.32
		HF 6130	2.37
		HF 6135	2.43
		HF 6137	2.51
		H 6140	2.62
		HF 6142	2.92
		HF 6144	3.07
		HF 6145	3.38
		HF 6200	3.07
		HF 6205	3.70
		HF 6210	3.55
		HF 6215	3.65
		HF 6217	3.78
		HF 6220	3.94
		HF 6222	4.40
		HF 6224	4.61
		HF 6225	5.07

SIZES

2-0 x 6-0
2-4 x 6-4
2-0 x 6-6
2-4 x 6-6
2-6 x 6-6
2-8 x 6-6
2-0 x 6-8
2-4 x 6-8
2-6 x 6-8
2-8 x 6-8
2-10 x 6-10
2-0 x 7-0
2-6 x 7-0
2-8 x 7-0
2-10 x 7-0
3-0 x 7-0
2-6 x 7-6
2-8 x 7-6
3-0 x 7-6

O. G. Five Panels

1 1/2 inch.	1 1/2 inch.
Cat. No.	Price
HF 6490	\$1.82
HF 6492	1.95
HF 6494	2.05
HF 6496	2.05
H 6500	2.08
HF 6504	2.14
HF 6506	2.10
HF 6508	2.10
HF 6510	2.13
H 6520	2.14
H 6530	2.56
HF 6532	2.45
HF 6540	2.46
HF 6550	2.53
HF 6555	2.61
H 6560	2.72
HF 6562	3.02
HF 6564	3.17
HF 6565	3.47
HF 6600	\$3.07
HF 6620	3.17
HF 6630	3.79
HF 6640	3.65
HF 6650	3.74
HF 6660	4.03
HF 6662	4.50
HF 6664	4.70
HF 6665	5.17

O. G. Five Cross Panels

1 1/2 inch.	1 1/2 inch.
Cat. Nos.	Price
HF 6790	\$2.02
HF 6794	2.14
HF 6796	2.14
HF 6800	2.18
HF 6804	2.24
HF 6806	2.24
HF 6808	2.24
HF 6810	2.22
HF 6820	2.24
HF 6830	2.66
HF 6832	2.54
HF 6840	2.56
HF 6850	2.62
HF 6855	2.70
HF 6860	2.82
HF 6862	3.12
HF 6864	3.26
HF 6865	3.57
HF 6900	\$3.17
HF 6920	3.26
HF 6930	3.89
HF 6940	3.74
HF 6950	3.84
HF 6960	4.13
HF 6962	4.59
HF 6964	4.80
HF 6966	5.26

Screen Doors, Extension Window Screens, Window Screen Frames

SCREEN DOORS

Our Screen Doors are all made of thoroughly seasoned stock, full 1 1/2 in. thick, and should not be classed with the many light weight, flimsy doors on the market. Fitted with very best grade of wire cloth, and carefully finished in a workmanlike manner. In stock at Chicago.



We can furnish doors only in sizes as listed.

Screen door made from clear pine, mortised and tenoned joints. Best quality painted wire cloth. Door is full 1 1/2 in. thick, solid and substantial, and finished and varnished in the natural wood. A neat and durable door. Approximate weight, 20 lbs. each.

H 8000—Size, 2 ft. 6 in. x 6 ft. 6 in. Each\$1.17

H 8001—Size, 2 ft. 8 in. x 6 ft. 8 in. Each\$1.20

H 8002—Size, 2 ft. 10 in. x 6 ft. 10 in. Each\$1.24

H 8003—Size, 2 ft. 8 in. x 7 ft. Each\$1.22

H 8004—Size, 2 ft. 10 in. x 7 ft. Each\$1.25

H 8005—Size, 3 ft. x 7 ft. Each\$1.28

Screen door, made from clear pine, mortised and tenoned joints. Best quality painted wire cloth. Door is full 1 1/2 in. thick, strong and well made, finished and varnished in the natural wood color. A handsome door with spindle and scroll ornamentation as illustrated. Approximate weight 20 lbs. each.

H 8010—Size, 2 ft. 6 in. x 6 ft. 6 in. Each\$1.25

H 8011—Size, 2 ft. 8 in. x 6 ft. 8 in. Each\$1.32

H 8012—Size, 2 ft. 10 in. x 6 ft. 10 in. Each\$1.34

H 8013—Size, 2 ft. 8 in. x 7 ft. Each\$1.33

H 8014—Size, 2 ft. 10 in. x 7 ft. Each\$1.35

H 8015—Size, 3 ft. x 7 ft. Each\$1.38

WITH GALVANIZED WIRE CLOTH

The same door as above, but is covered with standard galvanized or aluminum finish wire cloth, which resists rust, making a very durable door.

H 8020—2-6 x 6-6\$1.62

H 8021—2-8 x 6-8\$1.62

H 8022—2-10 x 6-10\$1.65

H 8023—2-8 x 7-0\$1.64

H 8024—2-10 x 7-0\$1.66

H 8025—3-0 x 7-0\$1.69



HARDWOOD SCREEN DOOR

Screen door made of oak, mortised and tenoned joints. Best quality painted wire cloth. Door is full 1 1/2 in. thick, strong and well made, finished and varnished in natural oak. A good substantial door, rich and handsome in appearance. Approximate weight, 20 lbs. each.

H 8030—Size, 2 ft. 6 in. x 6 ft. 6 in. Each\$1.65

H 8031—Size, 2 ft. 8 in. x 6 ft. 8 in. Each\$1.67

H 8032—Size, 2 ft. 10 in. x 6 ft. 10 in. Each\$1.70

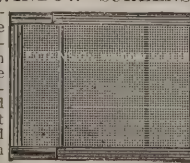
H 8033—Size, 2 ft. 8 in. x 7 ft. Each\$1.68

H 8034—Size 2 ft. 10 in. x 7 ft. Each\$1.71

H 8035—3 ft. x 7 ft. Each\$1.73

EXTENSION WINDOW SCREENS

Adjustable window screen made of oak, oil finished, beaded on both sides. Have a perfect adjustment, strong and substantial. Best quality painted wire cloth. In construction, adjustment and workmanship guaranteed the best on the market. Approximate weight, 50 to 60 lbs. per dozen.



mate weight, 3 lbs. each.

H 8100—Height 24 in., adjusts 24 in. to 37 in. Each\$0.27

Per dozen3.10

H 8101—Height 30 in., adjusts 24 in. to 37 in. Each\$0.34

Per dozen3.75

WINDOW SCREEN FRAMES

Wood frames for making window screens. Simple and substantial in construction and easily put together. The frames are made from clear well seasoned timber, size 1/2 in. x 1 1/4 in. and packed complete with metal corners, and the necessary screws and brads for assembling them. We also furnish wood strips to cover the heads of the tacks, giving the frames a finished appearance. The side strips of the frames are grooved and furnished with wood guides (to be attached to the casing) so that the screen can slide up and down without removing it from window. Stained in black walnut finish. We furnish these frames knock down, tied up in sets complete with trimmings, but do not include the wire cloth. For prices on wire cloth see quotations in our large catalogue. We can furnish these frames in two sizes only and for windows not to exceed 42x42 in. They can readily be cut down to fit smaller windows. Approximate weight, 50 to 60 lbs. per dozen.

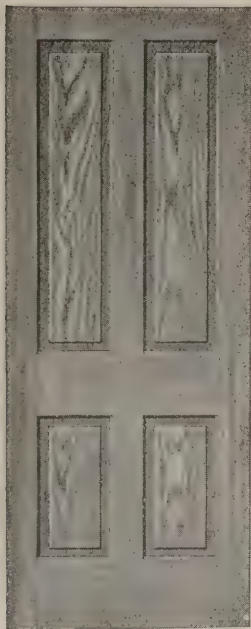
H 8016—Size, frame 36x36 in. Per set\$0.20

Per dozen sets2.20

H 8017—Size, frame 42x42 in. Per set\$0.22

Per dozen sets2.45

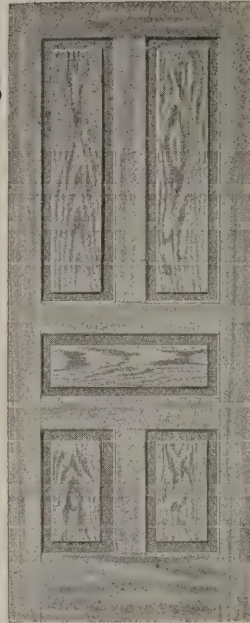
Goods on this page with prefix HF before catalogue number shipped from mill in Eastern Iowa, balance may be shipped from either mill or Chicago except screen goods which are shipped from Chicago only.



O. G. 4 Panel

Yellow Pine Panel Doors

Keep
your
sizes
within
the
lists
and
save
yourself
money
and
time



O. G. 5 Panel

White Pine Stiles and Rails

All of
our doors
are made
with
patent
dowels
producing
the
strongest
and best
door made



O. G. 5 Cross-panel

Yellow Pine Panel Doors						SIZE	Cypress Doors					
4 Yellow Pine Panel 1½ inch		5 Yellow Pine Panel 1½ inch		5 X Yellow Pine Panel 1½ inch			4 Panel Cypress 1½ inch		5 Panel Cypress 1½ inch		5 X Panel Cypress 1½ inch	
Cat. Nos.	Price	Cat. Nos.	Price	Cat. Nos.	Price		Cat. Nos.	Price	Cat. Nos.	Price	Cat. Nos.	Price
HF 7000	\$1.73	HF 7100	\$1.82	HF 7200	\$2.02	2- 0 x 6- 0	HF 7300	\$1.73	HF 7400	\$1.82	HF 7500	\$2.02
HF 7002	1.87	HF 7102	2.05	HF 7202	2.14	2- 0 x 6- 6	HF 7302	1.87	HF 7402	2.05	HF 7502	2.14
HF 7004	1.92	HF 7104	2.05	HF 7204	2.14	2- 4 x 6- 6	HF 7304	1.92	HF 7404	2.05	HF 7504	2.14
HF 7006	1.98	HF 7106	2.08	HF 7206	2.18	2- 6 x 6- 6	HF 7306	1.98	HF 7406	2.08	HF 7506	2.18
HF 7008	2.05	HF 7108	2.14	HF 7208	2.24	2- 8 x 6- 6	HF 7308	2.05	HF 7408	2.14	HF 7508	2.24
HF 7010	1.90	HF 7110	2.10	HF 7210	2.24	2- 0 x 6- 8	HF 7310	1.90	HF 7410	2.10	HF 7510	2.24
HF 7012	1.95	HF 7112	2.10	HF 7212	2.24	2- 4 x 6- 8	HF 7312	1.95	HF 7412	2.10	HF 7512	2.24
HF 7014	2.03	HF 7114	2.13	HF 7214	2.22	2- 6 x 6- 8	HF 7314	2.03	HF 7414	2.13	HF 7514	2.22
HF 7016	2.05	HF 7116	2.14	HF 7216	2.24	2- 8 x 6- 8	HF 7316	2.05	HF 7416	2.14	HF 7516	2.24
HF 7018	2.46	HF 7118	2.56	HF 7218	2.66	2-10 x 6-10	HF 7318	2.46	HF 7418	2.56	HF 7518	2.66
HF 7020	2.32	HF 7120	2.45	HF 7220	2.54	2- 0 x 7- 0	HF 7320	2.32	HF 7420	2.45	HF 7520	2.54
HF 7022	2.37	HF 7122	2.46	HF 7222	2.56	2- 6 x 7- 0	HF 7322	2.37	HF 7422	2.46	HF 7522	2.56
HF 7024	2.43	HF 7124	2.53	HF 7224	2.62	2- 8 x 7- 0	HF 7324	2.43	HF 7424	2.53	HF 7524	2.62
HF 7026	2.51	HF 7126	2.61	HF 7226	2.70	2-10 x 7- 0	HF 7326	2.51	HF 7426	2.61	HF 7526	2.70
HF 7028	2.62	HF 7128	2.72	HF 7228	2.82	3- 0 x 7- 0	HF 7328	2.62	HF 7428	2.72	HF 7528	2.82
HF 7030	2.92	HF 7130	3.02	HF 7230	3.12	2- 6 x 7- 6	HF 7330	2.92	HF 7430	3.02	HF 7530	3.12
HF 7032	3.07	HF 7132	3.17	HF 7232	3.26	2- 8 x 7- 6	HF 7332	3.07	HF 7432	3.17	HF 7532	3.26
HF 7034	3.38	HF 7134	3.47	HF 7234	3.57	3- 0 x 7- 6	HF 7334	3.38	HF 7434	3.47	HF 7534	3.57

Cypress Doors



4 Panel

We
guarantee
every
joint
perfect
and
that it
will
not
open.

We
always
guarantee
the
quality



5 Panel

Odd size
doors
will
cause you
delay
and
cost more
than
stock
sizes.
Remember
this
when
planning
your
house



5 Cross-panel

All goods on this page are shipped from mill in Eastern Iowa.

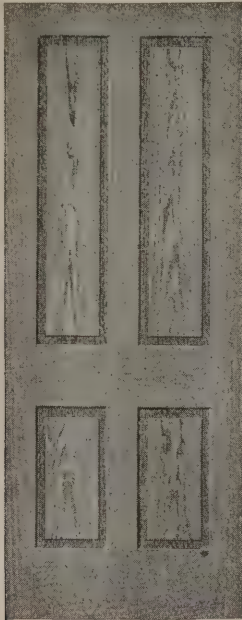
Solid Yellow Pine Doors

Shipped Direct from the Mill in Mississippi. These are the Only Articles in This Catalogue that are Shipped from Mississippi

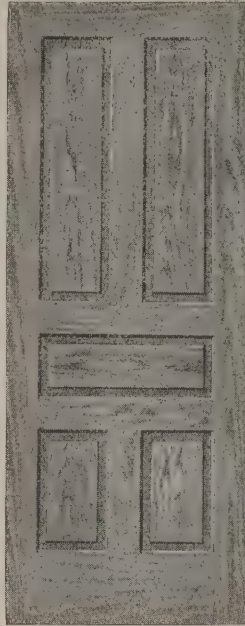
We are in a position to furnish promptly either four-panel or five cross-panel doors in both "A" grade and "B" grade. Our "A" grade door is superior to the average door of this grade and contains fewer defects than is allowed by the official grading rules.

O. G. Raised Panels

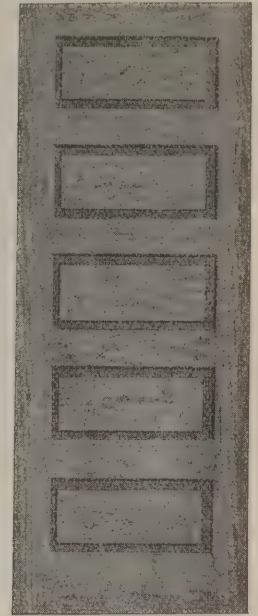
two sides



We do not carry yellow pine doors in stock at our Chicago warehouse, but have them shipped to you direct from the mill in Mississippi, where we have perhaps the largest assortment of stock sizes in the country. The prices, which we believe to be lower than you have ever seen, are ON BOARD CARS AT THE MILL.



We do not handle the cheaply constructed door that is made in some southern factories; but give you doors that are fully up to grade or better and we ASSURE YOU that the workmanship is first class in every respect.



O. G. 4-Panel Doors

1½ Thick A Grade	1½ Thick B Grade	1½ Thick A Grade	1½ Thick B Grade
Cat. Nos.	Price	Cat. Nos.	Price
HF 7600	\$1.34	HF 7700	\$1.20
HF 7602	1.46	HF 7702	1.32
HF 7604	1.55	HF 7704	1.39
.....	.....	HF 7800	\$1.49
.....	.....	HF 7802	1.61
.....	.....	HF 7804	1.71
.....	.....	HF 7806	1.64
.....	.....	HF 7808	1.68
HF 7610	1.57	HF 7710	1.42
HF 7612	1.59	HF 7712	1.44
HF 7614	2.03	HF 7714	1.89
.....	.....	HF 7810	1.75
.....	.....	HF 7812	1.77
.....	.....	HF 7814	2.13
.....	.....	HF 7816	2.00
.....	.....	HF 7818	2.04
.....	.....	HF 7820	2.10
.....	.....	HF 7822	2.26
.....	.....	HF 7824	2.53
.....	.....	HF 7826	2.65
.....	.....	HF 7828	2.91

SIZES

2- 0 x 6- 0
2- 0 x 6- 6
2- 6 x 6- 6
2- 0 x 6- 8
2- 4 x 6- 8
2- 6 x 6- 8
2- 8 x 6- 8
2-10 x 6-10
2- 0 x 7- 0
2- 6 x 7- 0
2- 8 x 7- 0
3- 0 x 7- 0
2- 6 x 7- 6
2- 8 x 7- 6
3- 0 x 7- 6

O. G. 5-Panel

1½ Thick B Grade	1½ Thick A Grade
Cat. Nos.	Price
HF 8504	\$1.65
.....
.....
HF 8510	1.67
HF 8512	1.69
HF 8514	2.02
.....
HF 8518	1.94
HF 8520	1.90
HF 8522	2.14
.....
HF 8610	1.85
HF 8612	1.87
HF 8614	2.23
.....
HF 8618	2.14
HF 8620	2.20
HF 8622	2.36
.....
HF 8624	2.63
HF 8626	2.75
HF 8628	3.05

O. G. 5X Panel

B Grade	A Grade
Cat. Nos.	Price
HF 8704	\$1.70
.....
.....
HF 8710	1.74
HF 8712	1.75
HF 8714	2.08
.....
HF 8718	2.00
HF 8720	2.06
HF 8722	2.20
.....
HF 8810	1.92
HF 8812	1.93
HF 8814	2.29
.....
HF 8818	2.21
HF 8820	2.26
HF 8822	2.43
.....
HF 8824	2.69
HF 8826	2.82
HF 8828	3.08

Side Lights



Side Lights

HF 8850

Used alongside outside doors, side lights add to the attractiveness of the entrance and admit daylight to a large or dark hall. They are built of A grade white pine glazed plain or in bevel plate, 1½ in. thick. Prices are each, as follows:

Size	Glazed Plain	Glazed Bevel Plate
Ft. In. Ft. In.		
1 2 x 6 6	\$1.29	\$2.89
1 2 x 6 8	1.32	3.03
1 2 x 7 0	1.39	3.25

Sliding Door

HF 8860

Folding doors and double sliding doors between apartments are giving way to the single sliding door. We carry the following in stock ready for prompt shipment.

White Yellow Pine Pine Panels.

Size 5 ft. wide x 7 ft. high, 1½ in. thick\$7.10 \$7.50



Sliding Door

Cupboard Doors

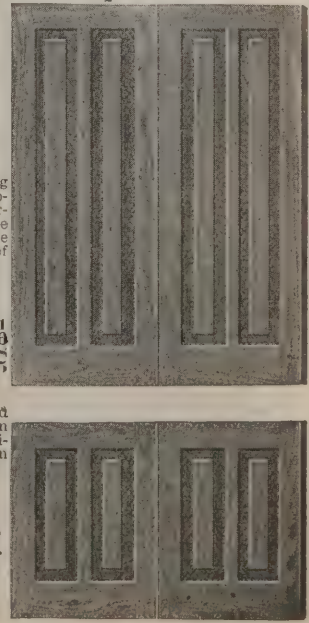
HF 8870

When building or remodeling a house, you can secure cupboard doors of us and build permanent cupboards right into the house. Prices are per single door, 1½ in. thick, made of white pine, with raised panels.

Ft. In. Ft. In.	
1 6 x 2 6	.....\$0.61
1 8 x 2 6	......69
1 6 x 4 0	......98
1 8 x 4 0	.....1.05

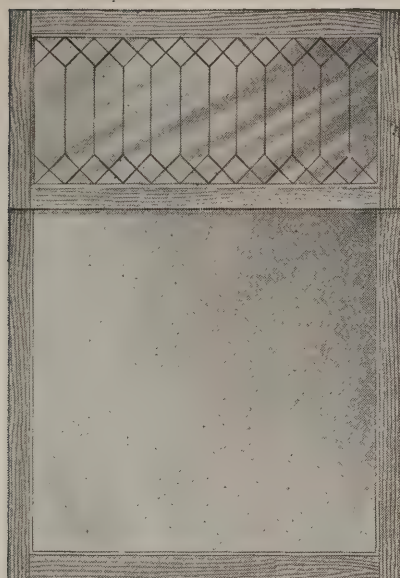
Side lights, sliding doors and cupboard doors we carry in stock at all times and ship direct from factory in eastern Iowa.

Yellow pine doors shipped from mill in Mississippi, balance from mill in eastern Iowa.



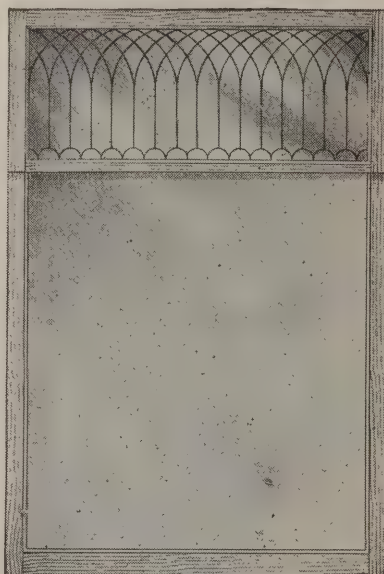
Cottage Front Check Rail Windows

Other sizes than listed extra price and subject to delay.



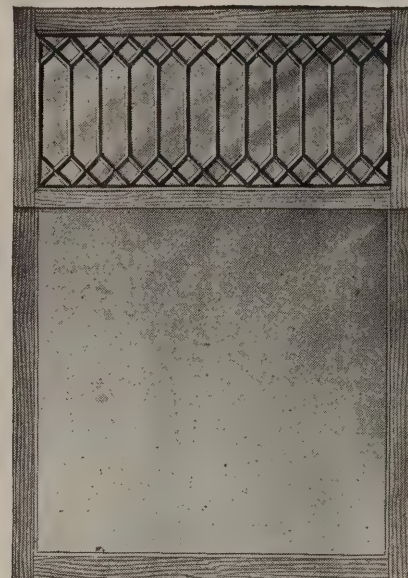
ARGYLE.

Check Rail Window—Glazed.
Top:—Leaded Crystal Glass.
Bottom:—Selected D. S. Glass.



CRESCENT.

Check Rail Window—Glazed.
Top:—Leaded Crystal Glass.
Bottom:—Selected D. S. Glass.



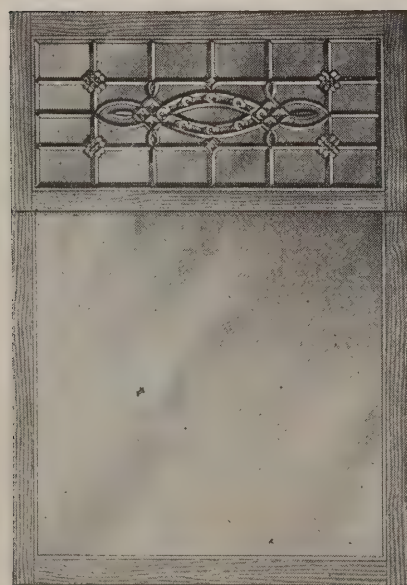
ATLAS.

Check Rail Window—Glazed.
Top:—Leaded Bevel Plate Glass.
Bottom:—Selected D. S. Glass.

Argyle		Crescent		Atlas		Size of Opening			Bottom Light	Top Light	Rameses		Kenmore		Homer	
Cat. Nos.	Price	Cat. Nos.	Price	Cat. Nos.	Price	Ft.	In. Ft.	In.	Inches	In.	Cat. Nos.	Price	Cat. Nos.	Price	Cat. Nos.	Price
H 9030	\$3.99	H 9060	\$5.10	H 9100	\$ 9.00	3	8 x 5	2	40 x 40	40 x 16	H 9200	\$10.45	H 9250	\$7.35	H 9300	\$7.88
H 9035	4.09	H 9065	5.25	H 9105	9.40	3	8 x 5		40 x 44	40 x 16	H 9205	10.60	H 9255	7.68	H 9305	8.22
H 9040	4.44	H 9070	5.55	H 9110	10.00	3	8 x 5	10	40 x 48	40 x 16	H 9210	11.40	H 9260	8.32	H 9310	8.94
H 9045	4.39	H 9075	5.70	H 9115	10.00	4	0 x 5	2	44 x 40	44 x 16	H 9215	11.30	H 9265	8.22	H 9315	8.88
H 9050	4.77	H 9080	5.85	H 9120	10.25	4	0 x 5	6	44 x 44	44 x 16	H 9220	11.40	H 9270	8.48	H 9320	9.12
H 9055	5.37	H 9085	6.00	H 9125	11.00	4	0 x 5	10	44 x 48	44 x 16	H 9225	12.50	H 9275	9.04	H 9325	9.75

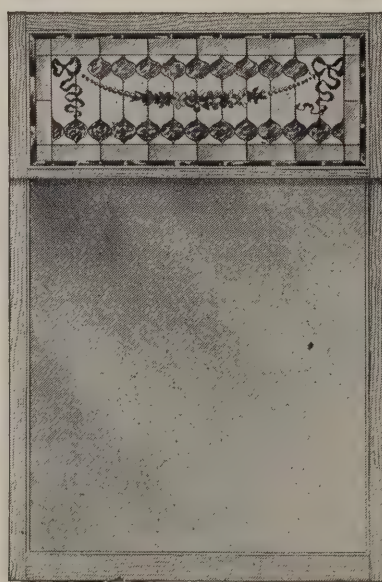
Prices on all these designs are for 1 $\frac{3}{8}$ -inch thickness.

Write for price on 1 $\frac{3}{4}$ -inch windows.



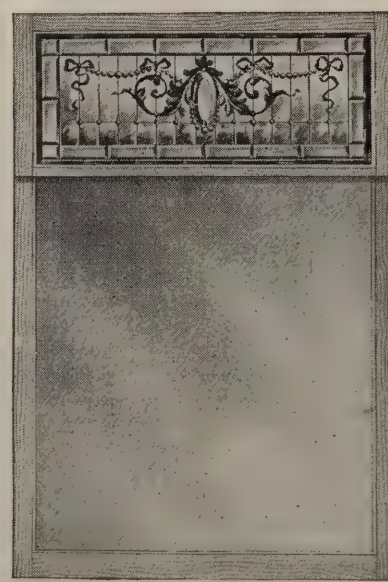
RAMESSES.

Check Rail Window—Glazed.
Top:—Leaded Bevel Plate Glass.
Bottom:—Selected D. S. Glass.



KENMORE.

Check Rail Window—Glazed.
Top:—Leaded Colored Art Glass.
Bottom:—Selected D. S. Glass.



HOMER.

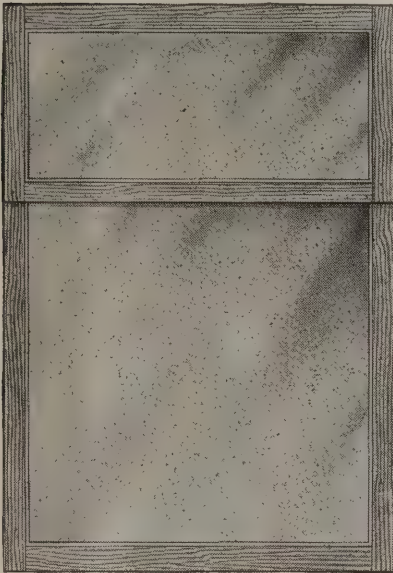
Check Rail Window—Glazed.
Top:—Leaded Colored Art and Bevel Plate Glass.
Bottom:—Selected D. S. Glass.

Argyle, Crescent or Atlas Windows may be shipped from mills if so desired, but Rameses, Kenmore and Homer windows are shipped from Chicago only.

Cottage Front Check Rail Windows

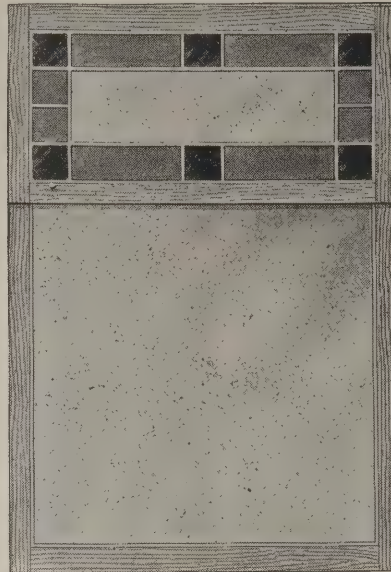
Please remember that sizes not listed cost much more money in proportion to the listed sizes and are subject to delay.

IVANHOE.



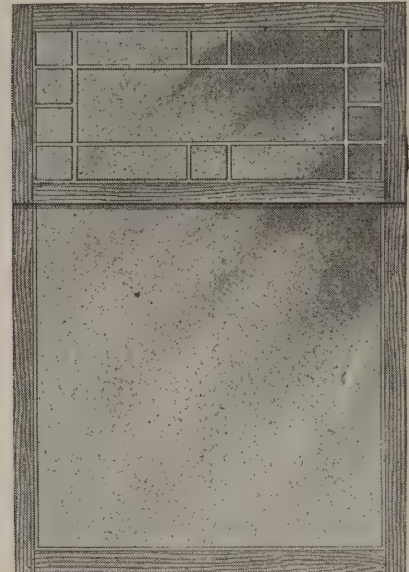
Check Rail Window—Glazed.
Top:—Selected D. S. Glass.
Bottom:—Selected D. S. Glass.

BALZAC.



Check Rail Window—Glazed.
Top:—Colored Border Lights, Center Plain.
Bottom:—Selected D. S. Glass.

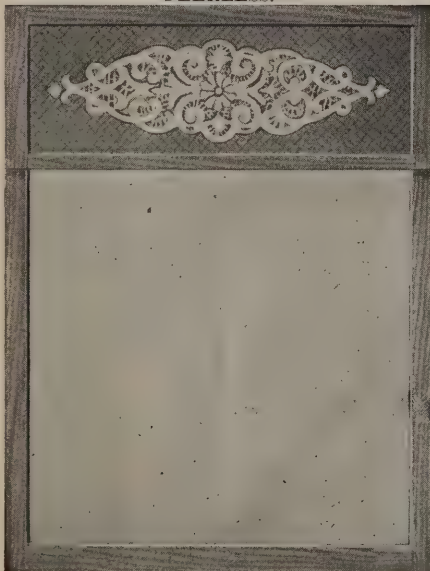
HUGO.



Check Rail Window—Glazed.
Top:—Selected S. S. Glass.
Bottom:—Selected D. S. Glass.

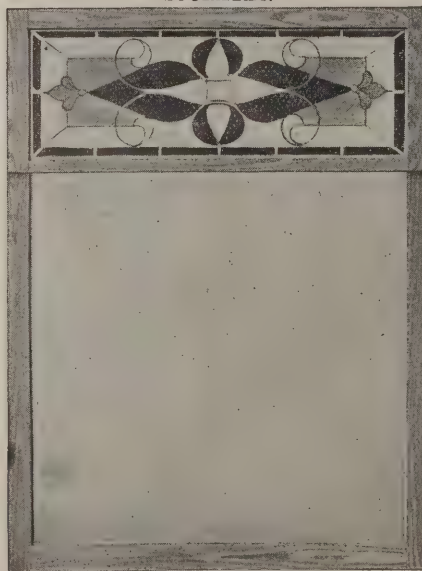
Ivanhoe		Balzac		Hugo		Size of Opening				Bottom Light	Top Light	Peerless		Socrates		Plato		
Cat. Nos.	Price	Cat. Nos.	Price	Cat. Nos.	Price	Ft.	In.	Ft.	In.	Inches	Inches	Cat. Nos.	Price	Cat. Nos.	Price	Cat. Nos.	Price	
H 9000	\$3.18	HF 9450	\$3.99	HF 9500	\$3.75	3	8	x	5	2	40	x	42	40	x	14	HF 9600	\$3.61
H 9005	3.30	HF 9455	4.37	HF 9505	4.35	3	8	x	5	6	40	x	46	40	x	14	HF 9605	3.70
H 9010	3.50	HF 9460	4.55	HF 9510	4.45	3	8	x	5	10	40	x	48	40	x	16	HF 9610	3.74
H 9015	3.40	HF 9465	4.68	HF 9515	4.58	4	0	x	5	2	44	x	40	44	x	16	HF 9615	3.81
H 9020	3.67	HF 9470	5.10	HF 9520	5.00	4	0	x	5	6	44	x	44	44	x	16	HF 9620	4.11
H 9025	4.20	HF 9475	5.18	HF 9525	5.06	4	0	x	5	10	44	x	48	44	x	16	HF 9625	4.63
HF 9026	5.30	HF 9480	6.05	HF 9530	5.90	4	4	x	5	6	48	x	42	48	x	18	HF 9630	4.40
HF 9027	5.47	HF 9485	6.21	HF 9535	6.10	4	4	x	5	10	48	x	46	48	x	18	HF 9635	5.00
																	HF 9650	\$4.96
																	HF 9655	5.04
																	HF 9700	\$3.62
																	HF 9705	3.71
																	HF 9710	3.77
																	HF 9715	3.82
																	HF 9720	4.06
																	HF 9725	4.65
																	HF 9730	4.35
																	HF 9735	5.03

PEERLESS.



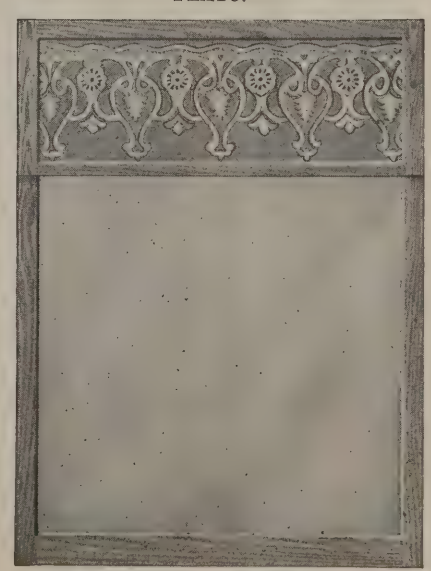
Check Rail Window—Glazed.

SOCRATES.



Check Rail Window—Glazed.

PLATO.



Check Rail Window—Glazed.

The Ivanhoe window may be shipped from Chicago, but the balance of these cottage sash are shipped from mills in Eastern Iowa only.

Check Rail Windows

Two Lights per window, one light to each sash 1½-in. thick.

Attention!

Prices are for one complete window—including both top sash and bottom sash with glass put in. Checkrail windows are plowed and bored to be used for frames with pulleys. If your outside dimensions or opening sizes do not agree with listed sizes they are subject to more or less delay and prices are much higher in proportion. Confine yourself to stock sizes.

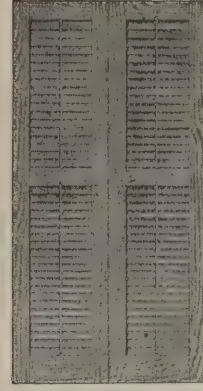
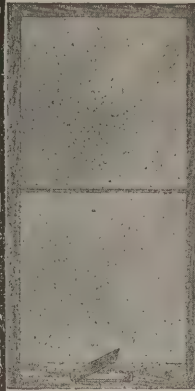
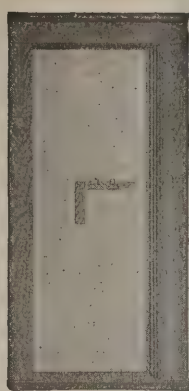
Plain Drip Cap Frame for 2x4 Studing. See page 42 for details of frames. For price with-out pulleys deduct 25c.

Half windows 3-4 the price of full windows.

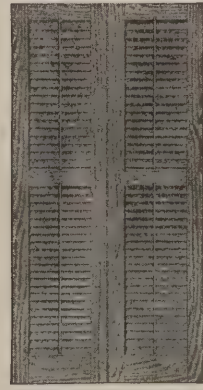
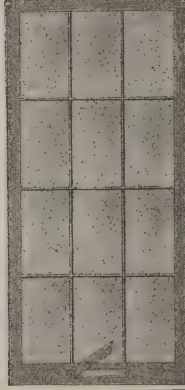
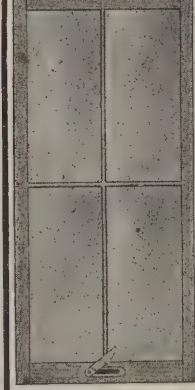
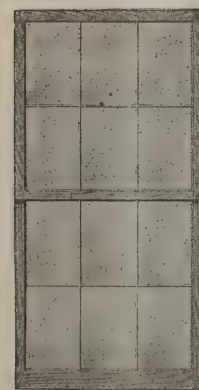
Blinds are made 1 inch longer and storm sash are made 1 inch longer and 1 inch wider than window opening to allow for fitting.

1½-in. 2 Light Check Rail				Size of Window Opening		Plain Drip Cap Frame with Pockets and Pulleys		Box Frames with Pockets and Pulleys		1½ in. Blinds Rolling Slats		1½ inch. 2 Light Storm Sash		Weights of Window Glazed Single	
Size of Glass	Glazed Single Strength		Glazed Double Strength		Width Ft. In.	Height Ft. In.	Cat. Nos.	Price	Cat. Nos.	Price	Cat. Nos.	Price	Cat. Nos.		Price
	Cat. Nos.	Price	Cat. Nos.	Price											
12 x 24	H 10000	\$0.65	.....	.....	1- 4 ¼ x 4- 6	HF 15000	\$1.45	HF 14998	\$2.20	HF 17987	\$0.69	HF 18987	\$0.70	12
12 x 26	HF 10001	.74	.....	.....	1- 4 ¼ x 4- 10	HF 15001	1.45	HF 14999	2.20	HF 17988	.71	HF 18988	.82	13
12 x 28	H 10002	.76	.....	.....	1- 4 ¼ x 5- 2	HF 15002	1.45	HF 15011	2.20	HF 17989	.73	HF 18989	.83	15
12 x 30	HF 10003	.79	.....	.....	1- 4 ¼ x 5- 6	HF 15003	1.45	HF 15012	2.20	HF 17990	.76	HF 18990	.86	15
12 x 32	HF 10004	.85	.....	.....	1- 4 ¼ x 5- 10	HF 15004	1.45	HF 15013	2.20	HF 17991	.80	HF 18991	.91	16
14 x 20	HF 10005	.70	.....	.....	1- 6 ½ x 3- 10	HF 15005	1.45	HF 15014	2.20	HF 17992	.80	HF 18992	.67	13
14 x 24	H 10006	.70	.....	.....	1- 6 ½ x 4- 6	HF 15006	1.45	HF 15015	2.20	HF 17993	.81	HF 18993	.71	13
14 x 26	HF 10007	.80	.....	.....	1- 6 ½ x 4- 10	HF 15007	1.45	HF 15016	2.20	HF 17994	.82	HF 18994	.83	14
14 x 28	H 10008	.81	.....	.....	1- 6 ½ x 5- 2	HF 15008	1.45	HF 15017	2.20	HF 17995	.86	HF 18995	.84	15
14 x 30	HF 10009	.82	.....	.....	1- 6 ½ x 5- 6	HF 15009	1.45	HF 15018	2.20	HF 17996	.90	HF 18996	.87	17
14 x 32	HF 10010	.85	.....	.....	1- 6 ½ x 5- 10	HF 15010	1.45	HF 15019	2.20	HF 17997	.93	HF 18997	.93	17
16 x 20	HF 10020	.68	.....	.....	1- 8 ¾ x 3- 10	HF 15020	1.45	HF 15021	2.20	HF 17998	.90	HF 18998	.68	14
16 x 22	HF 10022	.71	.....	.....	1- 8 ¾ x 4- 2	HF 15022	1.45	HF 15023	2.20	HF 17999	1.00	HF 18999	.71	15
16 x 24	H 10024	.71	.....	.....	1- 8 ¾ x 4- 6	HF 15024	1.45	HF 15025	2.20	HF 18000	1.01	HF 19000	.72	16
16 x 26	HF 10026	.78	.....	.....	1- 8 ¾ x 4- 10	HF 15026	1.45	HF 15027	2.20	HF 18001	1.09	HF 19001	.84	16
16 x 28	HF 10028	.79	.....	.....	1- 8 ¾ x 5- 2	HF 15028	1.45	HF 15029	2.20	HF 18002	1.11	HF 19002	.85	17
16 x 30	HF 10030	.82	.....	.....	1- 8 ¾ x 5- 6	HF 15030	1.45	HF 15031	2.20	HF 18003	1.16	HF 19003	.88	18
16 x 32	HF 10032	.91	.....	.....	1- 8 ¾ x 5- 10	HF 15032	1.45	HF 15033	2.20	HF 18004	1.20	HF 19004	.94	19
18 x 20	HF 10120	.72	.....	.....	1- 10 ½ x 3- 10	HF 15120	1.45	HF 15121	2.20	HF 18006	.90	HF 19006	.73	14
18 x 22	HF 10122	.80	.....	.....	1- 10 ½ x 4- 2	HF 15122	1.45	HF 15123	2.20	HF 18008	1.00	HF 19008	.80	15
18 x 24	HF 10124	.80	.....	.....	1- 10 ½ x 4- 6	HF 15124	1.45	HF 15125	2.20	HF 18009	1.01	HF 19009	.84	16
18 x 26	HF 10126	.80	.....	.....	1- 10 ½ x 4- 10	HF 15126	1.45	HF 15127	2.20	HF 18010	1.09	HF 19010	.86	17
18 x 28	HF 10128	.84	HF 11128	\$1.20	1- 10 ½ x 5- 2	HF 15128	1.45	HF 15129	2.20	HF 18012	1.16	HF 19012	.90	18	
18 x 30	HF 10130	.90	HF 11130	1.29	1- 10 ½ x 5- 6	HF 15130	1.45	HF 15131	2.20	HF 18022	1.20	HF 19022	.95	19	
18 x 32	HF 10132	.90	HF 11132	1.31	1- 10 ½ x 5- 10	HF 15132	1.45	HF 15133	2.20	HF 18024	1.23	HF 19024	.97	21	
20 x 20	H 10220	.75	H 11220	.99	2- 0 ½ x 3- 10	HF 15220	1.45	HF 15221	2.20	HF 18026	.90	HF 19026	.80	15	
20 x 22	H 10222	.78	H 11222	1.01	2- 0 ½ x 4- 2	HF 15222	1.45	HF 15223	2.20	HF 18028	1.00	HF 19028	.81	16	
20 x 24	H 10224	.78	H 11224	1.02	2- 0 ½ x 4- 6	HF 15224	1.45	HF 15225	2.20	HF 18032	1.01	HF 19032	.86	17	
20 x 26	H 10226	.82	H 11226	1.07	2- 0 ½ x 4- 10	HF 15226	1.45	HF 15227	2.20	HF 18036	1.09	HF 19036	.90	19	
20 x 28	H 10228	.87	H 11228	1.14	2- 0 ½ x 5- 2	HF 15228	1.45	HF 15229	2.20	HF 18038	1.11	HF 19038	.94	20	
20 x 30	H 10230	.91	H 11230	1.22	2- 0 ½ x 5- 6	HF 15230	1.45	HF 15231	2.20	HF 18040	1.16	HF 19040	1.00	21	
20 x 32	HF 10232	1.02	HF 11232	1.35	2- 0 ½ x 5- 10	HF 15232	1.45	HF 15233	2.20	HF 18042	1.20	HF 19042	1.10	22	
20 x 34	HF 10234	1.10	HF 11234	1.44	2- 0 ½ x 6- 2	HF 15234	1.45	HF 15235	2.20	HF 18044	1.49	HF 19044	1.19	23	
20 x 36	HF 10236	1.17	HF 11236	1.51	2- 0 ½ x 6- 6	HF 15236	1.45	HF 15237	2.20	HF 18046	1.60	HF 19046	1.25	25	
22 x 20	HF 10320	.79	HF 11320	.97	2- 2 ½ x 3- 10	HF 15320	1.45	HF 15321	2.20	HF 18048	1.00	HF 19048	.88	16	
22 x 22	H 10322	.81	H 11322	1.07	2- 2 ½ x 4- 2	HF 15322	1.45	HF 15323	2.20	HF 18050	1.01	HF 19050	.94	17	
22 x 24	H 10324	.82	H 11324	1.08	2- 2 ½ x 4- 6	HF 15324	1.45	HF 15325	2.20	HF 18052	1.02	HF 19052	1.00	18	
22 x 26	H 10326	.86	H 11326	1.14	2- 2 ½ x 4- 10	HF 15326	1.45	HF 15327	2.20	HF 18054	1.10	HF 19054	1.10	20	
22 x 28	H 10328	.92	H 11328	1.21	2- 2 ½ x 5- 2	HF 15328	1.45	HF 15329	2.20	HF 18056	1.11	HF 19056	1.19	21	
22 x 30	HF 10330	1.02	HF 11330	1.34	2- 2 ½ x 5- 6	HF 15330	1.45	HF 15331	2.20	HF 18058	1.16	HF 19058	1.25	22	
22 x 32	HF 10332	1.10	HF 11332	1.45	2- 2 ½ x 5- 10	HF 15332	1.45	HF 15333	2.20	HF 18060	1.20	HF 19060	1.17	24	
22 x 34	HF 10334	1.23	HF 11334	1.58	2- 2 ½ x 6- 2	HF 15334	1.45	HF 15335	2.20	HF 18062	1.49	HF 19062	1.31	25	
22 x 36	HF 10336	1.26	HF 11336	1.71	2- 2 ½ x 6- 6	HF 15336	1.45	HF 15337	2.20	HF 18064	1.60	HF 19064	1.34	26	
24 x 20	H 10420	.83	H 11420	1.13	2- 4 ½ x 3- 10	HF 15420	1.45	HF 15421	2.20	HF 18066	1.00	HF 19066	.97	18	
24 x 22	H 10422	.86	H 11422	1.18	2- 4 ½ x 4- 2	HF 15422	1.45	HF 15423	2.20	HF 18068	1.01	HF 19068	1.03	19	
24 x 24	H 10424	.90	H 11424	1.19	2- 4 ½ x 4- 6	HF 15424	1.45	HF 15425	2.20	HF 18070	1.02	HF 19070	1.03	20	
24 x 26	H 10426	.91	H 11426	1.21	2- 4 ½ x 4- 10	HF 15426	1.60	HF 15427	2.20	HF 18072	1.10	HF 19072	1.17	21	
24 x 28	H 10428	1.00	H 11428	1.31	2- 4 ½ x 5- 2	HF 15428	1.60	HF 15429	2.20	HF 18074	1.11	HF 19074	1.31	22	
24 x 30	H 10430	1.05	H 11430	1.36	2- 4 ½ x 5- 6	HF 15430	1.60	HF 15431	2.20	HF 18076	1.16	HF 19076	1.27	23	
24 x 32	H 10432	1.14	H 11432	1.43	2- 4 ½ x 5- 10	HF 15432	1.60	HF 15433	2.20	HF 18078	1.20	HF 19078	1.24	24	
24 x 34	H 10434	1.24	H 11434	1.56	2- 4 ½ x 6- 2	HF 15434	1.60	HF 15435	2.20	HF 18079	1.43	HF 19079	1.35	25	
24 x 36	H 10436	1.25	H 11436	1.57	2- 4 ½ x 6- 6	HF 15436	1.60	HF 15437	2.20	HF 18080	1.60	HF 19080	1.36	26	
26 x 24	H 10524	.97	H 11524	1.29	2- 6 ½ x 4- 6	HF 15524	1.60	HF 15525	2.20	HF 18082	1.10	HF 19082	1.09	22	
26 x 26	H 10526	1.04	H 11526	1.34	2- 6 ½ x 4- 10	HF 15526	1.60	HF 15527	2.20	HF 18084	1.11	HF 19084	1.20	23	
26 x 28	H 10528	1.19	H 11528	1.42	2- 6 ½ x 5- 2	HF 15528	1.60	HF 15529	2.20	HF 18086	1.16	HF 19086	1.30	23	
26 x 30	H 10530	1.20	H 11530	1.52	2- 6 ½ x 5- 6	HF 15530	1.70	HF 15531	2.20	HF 18088	1.23	HF 19088	1.37	25	
26 x 32	HF 10532	1.23	HF 11532	1.62	2- 6 ½ x 5- 10	HF 15532	1.70	HF 15533	2.20	HF 18090	1.28	HF 19090	1.37	26	
26 x 34	HF 10534	1.43	HF 11534	1.89	2- 6 ½ x 6- 2	HF 15534	1.70	HF 15535	2.20	HF 18092	1.56	HF 19092	1.57	28	
26 x 36	HF 10536	1.45	HF 11536	1.91	2- 6 ½ x 6- 6	HF 15536	1.70	HF 15537	2.20	HF 18094	1.68	HF 19094	1.58	30	
28 x 24	HF 10624	1.09	HF 11624	1.44	2- 8 ¾ x 4- 6	HF 15624	1.70	HF 15625	2.20	HF 18096	1.10	HF 19096	1.24	22	
28 x 26	HF 10626	1.20	HF 11626	1.53	2- 8 ¾ x 4- 10	HF 15626	1.70	HF 15627	2.20	HF 18098	1.11	HF 19098	1.35	23	
28 x 28	HF 10628	1.23	HF 11628	1.53	2- 8 ¾ x 5- 2	HF 15628	1.70	HF 15629	2.20	HF 18100	1.16	HF 19100	1.38	25	
28 x 30	H 10630	1.24	H 11630	1.53	2- 8 ¾ x 5- 6	HF 15630	1.70	HF 15631	2.20	HF 18102	1.23	HF 19102	1.41	27	
28 x 32	HF 10632	1.46	HF 11632	1.79	2- 8 ¾ x 5- 10	HF 15632	1.70	HF 15633	2.20	HF 18104	1.26	HF 19104	1.62	28	
28 x 34	HF 10634	1.55	HF 11634	1.82	2- 8 ¾ x 6- 2	HF 15634	1.70	HF 15635	2.50	HF 18106	1.56	HF 19106	1		

Table Showing Windows, Frames, Storm Sashes and Blinds



1½ in. 4 Light Check Rail			Size of Window Opening				2 Light Storm Sash		4 Light Storm Sash		Blinds		Weights	
Size of Glass	Cat. Nos.	Price			Cat. Nos.	Price	Cat. Nos.	Price	Cat. Nos.	Price	Cat. Nos.	Price		
10/20	H 12020	\$0.70	2- 1 x 3-10	HF 16020	\$1.45	HF 16019	\$2.20	HF 19300	\$0.87	HF 19200	\$0.81	HF 18200	\$0.95	19
10/22	HF 12022	.77	2- 1 x 4- 2	HF 16022	1.45	HF 16021	2.20	HF 19302	.95	HF 19202	.89	HF 18202	1.05	19
10/24	H 12024	.78	2- 1 x 4- 6	HF 16024	1.45	HF 16023	2.20	HF 19304	.95	HF 19204	.89	HF 18204	1.05	21
10/26	HF 12026	.84	2- 1 x 4-10	HF 16026	1.45	HF 16025	2.20	HF 19306	1.12	HF 19206	1.02	HF 18206	1.16	21
10/28	HF 12028	.90	2- 1 x 5- 2	HF 16028	1.45	HF 16027	2.20	HF 19308	1.17	HF 19208	1.07	HF 18208	1.17	23
10/30	HF 12030	1.00	2- 1 x 5- 6	HF 16030	1.45	HF 16029	2.20	HF 19310	1.30	HF 19210	1.20	HF 18210	1.23	22
10/32	HF 12032	1.12	2- 1 x 5-10	HF 16032	1.45	HF 16031	2.20	HF 19312	1.41	HF 19212	1.31	HF 18212	1.25	23
12/20	H 12120	.77	2- 5 x 3-10	HF 16120	1.45	HF 16119	2.20	HF 19314	.93	HF 19214	.88	HF 18214	.97	19
12/22	HF 12122	.87	2- 5 x 4- 2	HF 16122	1.45	HF 16121	2.20	HF 19316	1.01	HF 19216	.95	HF 18216	.97	19
12/24	H 12124	.89	2- 5 x 4- 6	HF 16124	1.45	HF 16123	2.20	HF 19318	1.12	HF 19218	1.02	HF 18218	1.08	21
12/26	HF 12126	.94	2- 5 x 4-10	HF 16126	1.45	HF 16125	2.20	HF 19320	1.12	HF 19220	1.02	HF 18220	1.16	21
12/28	H 12128	1.00	2- 5 x 5- 2	HF 16128	1.45	HF 16127	2.20	HF 19322	1.24	HF 19222	1.14	HF 18222	1.21	22
12/30	H 12130	1.10	2- 5 x 5- 6	HF 16130	1.60	HF 16129	2.20	HF 19324	1.35	HF 19224	1.25	HF 18224	1.26	24
12/32	H 12132	1.16	2- 5 x 5-10	HF 16132	1.60	HF 16131	2.20	HF 19326	1.42	HF 19226	1.32	HF 18226	1.30	25
12/34	H 12134	1.40	2- 5 x 6- 2	HF 16134	1.60	HF 16133	2.20	HF 19328	1.70	HF 19228	1.60	HF 18228	1.62	26
12/36	H 12136	1.40	2- 5 x 6- 6	HF 16136	1.60	HF 16135	2.20	HF 19330	1.70	HF 19230	1.60	HF 18230	1.73	27
12/40	HF 12140	1.72	2- 5 x 7- 2	HF 16140	1.60	HF 16139	2.20	HF 19331	1.70	HF 19231	1.60	HF 18231	1.94	29
14/20	HF 12220	.90	2- 9 x 3-10	HF 16220	1.70	HF 16219	2.20	HF 19332	1.15	HF 19232	1.05	HF 18232	1.16	22
14/22	HF 12222	.99	2- 9 x 4- 2	HF 16222	1.70	HF 16221	2.20	HF 19333	1.15	HF 19233	1.05	HF 18233	1.16	22
14/24	H 12224	.99	2- 9 x 4- 6	HF 16224	1.70	HF 16223	2.20	HF 19334	1.24	HF 19234	1.14	HF 18234	1.19	23
14/26	HF 12226	1.10	2- 9 x 4-10	HF 16226	1.70	HF 16225	2.20	HF 19336	1.30	HF 19236	1.20	HF 18236	1.19	23
14/28	H 12228	1.14	2- 9 x 5- 2	HF 16228	1.70	HF 16227	2.50	HF 19338	1.40	HF 19238	1.30	HF 18238	1.26	24
14/30	HF 12230	1.23	2- 9 x 5- 6	HF 16230	1.70	HF 16229	2.50	HF 19340	1.50	HF 19240	1.40	HF 18240	1.30	26
14/32	HF 12232	1.31	2- 9 x 5-10	HF 16232	1.70	HF 16231	2.50	HF 19342	1.61	HF 19242	1.51	HF 18242	1.37	28
14/36	HF 12236	1.57	2- 9 x 6- 6	HF 16236	1.70	HF 16235	2.50	HF 19344	1.89	HF 19244	1.79	HF 18244	1.98	30
14/40	HF 12240	1.82	2- 9 x 7- 2	HF 16240	1.70	HF 16239	2.50	HF 19346	2.17	HF 19246	2.07	HF 18246	2.03	34
15/20	HF 12320	1.02	2-11 x 3-10	HF 16320	1.70	HF 16319	2.50	HF 19348	1.45	HF 19248	1.35	HF 18248	2.03	23
15/24	HF 12324	1.18	2-11 x 4- 6	HF 16324	1.70	HF 16323	2.50	HF 19350	1.45	HF 19250	1.35	HF 18250	1.35	24
15/26	HF 12326	1.26	2-11 x 4-10	HF 16326	1.70	HF 16325	2.50	HF 19352	1.55	HF 19252	1.45	HF 18252	1.35	24
15/28	HF 12328	1.31	2-11 x 5- 2	HF 16328	1.70	HF 16327	2.50	HF 19354	1.60	HF 19254	1.50	HF 18254	1.50	25
15/30	HF 12330	1.37	2-11 x 5- 6	HF 16330	1.70	HF 16329	2.50	HF 19356	1.67	HF 19256	1.57	HF 18256	1.52	27
15/32	HF 12332	1.46	2-11 x 5-10	HF 16332	1.70	HF 16331	2.50	HF 19358	1.76	HF 19258	1.66	HF 18258	1.61	29



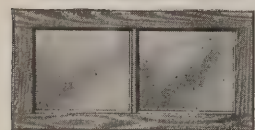
1½ in. 12 Light Check Rail Glazed Single			Size of Window Opening	Plain Drip Cap		Box Frame		4 Light Storm Sash		12 Light Storm Sash		Blinds		Weight of Windows
Glass Size	Cat. Nos.	Price		Cat. Nos.	Price	Cat. Nos.	Price	Cat. Nos.	Price	Cat. No.	Price	Cat. Nos.	Price	
8/10	HF 13007	.80	2- 4 ½ x 3-10	HF 17007	\$1.40	HF 17006	\$2.20	HF 19360	.97	HF 19260	\$0.91	HF 18260	.90	19
8/12	HF 13009	.93	2- 4 ½ x 4- 6	HF 17009	1.60	HF 17008	2.20	HF 19362	1.16	HF 19262	1.06	HF 18262	1.00	20
9/12	HF 13012	.97	2- 7 ½ x 4- 6	HF 17012	1.60	HF 17011	2.20	HF 19364	1.21	HF 19264	1.11	HF 18264	1.10	22
9/14	HF 13014	1.14	2- 7 ½ x 5- 2	HF 17014	1.60	HF 17013	2.20	HF 19366	1.42	HF 19266	1.32	HF 18266	1.16	24
10/12	HF 13112	1.06	2-10 ½ x 4- 6	HF 17112	1.60	HF 17111	2.20	HF 19368	1.30	HF 19268	1.20	HF 18268	1.28	23
10/14	HF 13114	1.18	2-10 ½ x 5- 2	HF 17114	1.60	HF 17113	2.20	HF 19370	1.56	HF 19270	1.46	HF 18270	1.43	26
10/16	HF 13116	1.36	2-10 ½ x 5-10	HF 17116	1.60	HF 17115	2.20	HF 19372	1.64	HF 19272	1.54	HF 18272	1.53	29
1½ in. 12 Light Plain Rail			Size of Window Openings											Weight of Win- dows
Glass Size	Cat. Nos.	Price		Cat. Nos.	Price	Cat. Nos.	Price	Cat. Nos.	Price	Cat. Nos.	Price			
7/9	H 13609	.76	2- 1 x 3- 6	HF 17609	\$1.45	HF 17607	2.20	HF 19374	.96	HF 19274	.90	HF 18274	.90	13
8/10	H 13610	.77	2- 1 x 3-10	HF 17610	1.45	HF 17611	2.20	HF 19376	.97	HF 19276	.91	HF 18276	.91	14
8/12	H 13612	.88	2- 4 x 4- 6	HF 17612	1.45	HF 17613	2.20	HF 19378	1.16	HF 19278	1.06	HF 18278	1.00	18
9/12	H 13712	.94	2- 7 x 4- 6	HF 17712	1.45	HF 17711	2.20	HF 19380	1.21	HF 19280	1.11	HF 18280	1.10	20
9/14	H 13714	1.12	2- 7 x 5- 2	HF 17714	1.45	HF 17713	2.20	HF 19382	1.42	HF 19282	1.32	HF 18282	1.16	22
10/12	H 13812	1.00	2-10 x 4- 6	HF 17812	1.60	HF 17811	2.20	HF 19384	1.30	HF 19284	1.20	HF 18284	1.28	21
10/14	H 13814	1.12	2-10 x 5- 2	HF 17814	1.60	HF 17813	2.20	HF 19386	1.56	HF 19286	1.46	HF 18286	1.43	23
10/16	H 13816	1.29	2-10 x 5-10	HF 17816	1.60	HF 17815	2.20	HF 19388	1.64	HF 19288	1.54	HF 18288	1.53	26

The prefix HF means that such items on this page are shipped from mill in Eastern Iowa



Glass Size	1 1/8 Light Plain Rail	
	Cat. No.	Price
8 x 10	H 13210	\$0.61
8 x 12	HF 13212	.70
9 x 12	HF 13312	.70
9 x 14	HF 13314	.83
10 x 12	H 13412	.74
10 x 14	H 13414	.84
10 x 16	H 13416	.98
12 x 14	H 13514	.95

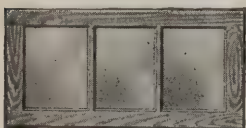
1 1/8 Light Check Rail	
Size of Glass	Price
9 x 12	HF 12605 \$0.76
9 x 14	HF 12606 .86
10 x 12	HF 12612 .78
10 x 14	HF 12614 .87
10 x 16	HF 12616 1.02
12 x 14	HF 12714 .99
12 x 16	HF 12716 1.10
12 x 18	HF 12718 1.24
14 x 16	HF 12816 1.29
14 x 18	HF 12818 1.48
14 x 20	HF 12820 1.63



Two-Light Glazed Cellar Sash

1 3/8 Inches Thick

Size of Glass	Catalogue Numbers	Price Glazed Single Strength	Outside Measure Ft. In. Ft. In.	Weight lbs.
10 x 12	H 14150	\$0.40	2 1 x 1 4	6
10 x 14	H 14155	.42	2 1 x 1 6	7
10 x 16	H 14160	.48	2 1 x 1 8	7
10 x 18	HF 14165	.52	2 1 x 1 10	8
12 x 14	H 14170	.49	2 5 x 1 6	7
12 x 16	H 14175	.52	2 5 x 1 8	8
12 x 18	HF 14180	.55	2 5 x 1 10	9
12 x 24	HF 14185	.73	2 5 x 2 4	11
14 x 16	HF 14190	.60	2 9 x 1 8	8
14 x 18	HF 14192	.63	2 9 x 1 10	9
14 x 20	HF 14194	.71	2 9 x 2 0	11



Three-Light Glazed Cellar Sash

1 1/8 Inches Thick

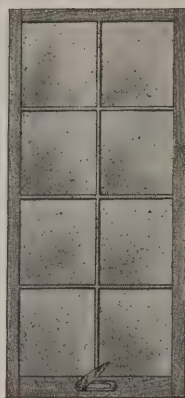
Size of Glass	Catalogue Numbers	Price Glazed Single	Outside Measure Ft. In. Ft. In.	Weight lbs.
8 x 10	H 14100	\$0.39	2 4 x 1 2	6
9 x 12	H 14102	.45	2 7 x 1 4	6
9 x 14	H 14104	.48	2 7 x 1 6	7
10 x 12	H 14106	.50	2 10 x 1 4	7
10 x 14	H 14108	.54	2 10 x 1 6	8
10 x 16	H 14110	.61	2 10 x 1 8	9



Stall Sash One Light 1 1/8 Inches Thick

Size of Glass	Catalogue Numbers	Price Glazed	Weight lbs.
8 x 10	H 14220	\$0.32	4
10 x 12	H 14222	.36	4
10 x 14	H 14224	.38	6
12 x 16	H 14226	.43	7

All items on this page with prefix HF are shipped from mill in Eastern Iowa only.



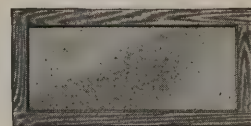
1 1/8 inch Thick Storm	
Size of Glass	Price
8 x 10	HF 17210 \$1.20
8 x 12	HF 17212 1.20
9 x 12	HF 17312 1.20
9 x 14	HF 17314 1.20
10 x 12	HF 17412 1.20
10 x 14	HF 17414 1.20
10 x 16	HF 17416 1.20
12 x 14	HF 17514 1.20



1 1/8 inch Rolling Slat	
Size of Glass	Price
8 x 10	HF 18400 \$0.80
8 x 12	HF 18402 .80
9 x 12	HF 18410 .90
9 x 14	HF 18415 .90
10 x 12	HF 18420 .90
10 x 14	HF 18430 .90
10 x 16	HF 18440 1.00
12 x 14	HF 18450 1.05

Weight of glazed windows	
Size of Glass	Weight lbs.
8 x 10	10
8 x 12	12
9 x 12	14
9 x 14	17
10 x 12	15
10 x 14	18
10 x 16	20
12 x 14	19

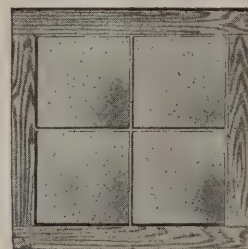
Transoms



1 3/8 Thick

Outside Measure Ft. In. Ft. In.	Catalogue Numbers	Glazed Single	Wgt. lbs.
2 6 x 12	H 14000	\$0.39	6
2 6 x 14	H 14002	.43	6
2 6 x 16	H 14004	.47	6
2 8 x 12	H 14010	.41	7
2 8 x 14	H 14012	.47	7
2 8 x 16	H 14014	.49	7
2 8 x 18	H 14016	.55	8
2 10 x 14	H 14024	.48	8
2 10 x 16	H 14026	.55	8
2 10 x 18	H 14028	.59	8
2 10 x 20	H 14030	.64	8
3 0 x 14	H 14040	.54	8
3 0 x 16	H 14042	.59	8
3 0 x 18	H 14044	.65	8
3 0 x 20	H 14046	.70	8

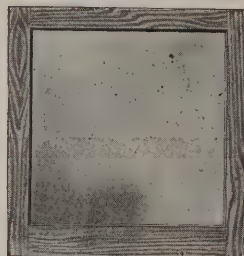
Barn Sash



1 1/8 Inches Thick

Size of Glass	Catalogue Number	Price Glazed	Wgt. lbs.
8 x 10	H 14230	\$0.45	5
9 x 12	H 14232	.53	7
9 x 14	H 14234	.57	9
10 x 12	H 14236	.56	8
10 x 14	H 14238	.60	10

Attic Sash



1 1/8 Thick
Three-inch Bottom Rail

Size of Glass	Catalogue Numbers	Price Glazed	Wgt. lbs.
16 x 20	H 14200	\$0.52	7
16 x 24	H 14201	.53	7 1/2
18 x 20	H 14202	.55	7 1/2
18 x 24	HF 14203	.65	8
20 x 20	H 14204	.60	8
20 x 24	H 14205	.65	9
20 x 30	HF 14206	.79	10
24 x 20	HF 14207	.73	9
24 x 24	H 14208	.75	9 1/2
24 x 28	HF 14209	.81	11
24 x 30	HF 14210	.86	12
26 x 26	HF 14211	.96	11

For Prices on Crown Moulded Frames see page 42

Cat. Nos.	Glazed	Price Glazed
HF 14260	All Clear Glass	\$1.45
HF 14262	All Chipped Glass	1.75
HF 14264	All Wine Cathedral Glass	1.75
HF 14266	Clear Center—Wine Cathedral Border	1.60
HF 14268	Chipped Center—Wine Cathedral Border	1.70

Above sash glazed weighs 10 lbs.

THINGS TO REMEMBER

Plain rail or check rail windows are made in two pieces, one top sash and one bottom sash, whereas storm sash are made in one piece only. Storm sash and other single sash are sometimes ordered plain rail. This is wrong, as single sash have no plain rail or check rail. The plain rail or check rail parts of a window are the center cross pieces, which lap over one another at the center of the window, where the top and bottom sash meet and are often called meeting rails. Dividing rail is another name as it is the dividing point between the upper and lower sash.

Check rails are so called because the meeting edge of both top and bottom sash are beveled in such a way that it serves as a better check against wind and rain than a plain meeting rail, as the plain rail is made flush, the same thickness as the window.

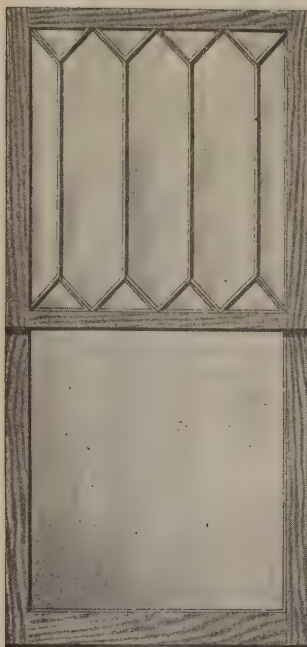
In some localities check rail windows are called lip windows, the meeting rail the lip rail, the beveled part of the dividing rail being called the lip.

Queen Anne Windows

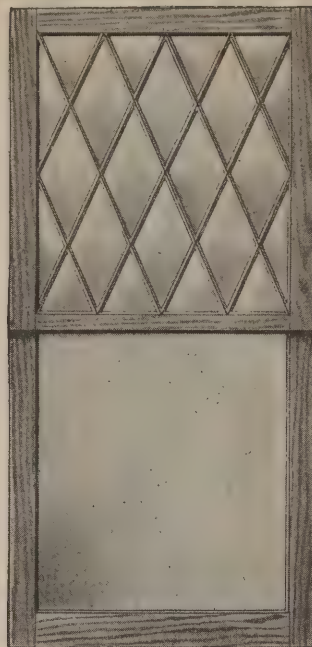
Made to Order Only



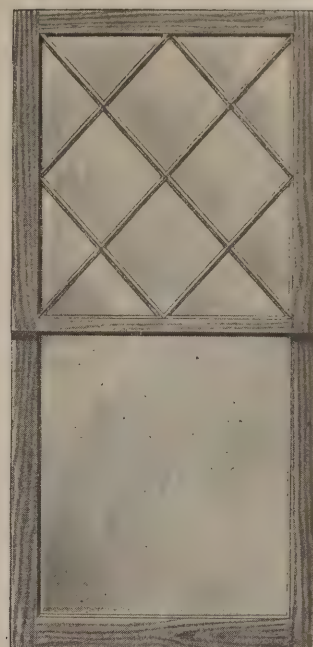
HF 14300—Add \$1.30. Glazed single strength. This is glazed at this price in either Wine Colored Cathedral, White Maze, White Chipped, or White Florentine Border Lights, as you select.



HF 14305—Add \$1.95 to the price of a regular two light check rail window.



HF 14310—Add \$2.42 to the price of a regular two light check rail window.



HF 14315—Add \$1.30 to the price of a regular two light check rail window.

These windows are not carried in stock but are made in any of the regular two light window size and in order to obtain the price of any one of these windows you simply add the amount given above to the regular price of a two light window of the size you require. Be sure you allow us at least two weeks' time in which to fill the order. For windows over 28 inches wide write for special prices.

Hot Bed, Cup Sash, Etc.

Hot Bed Sash

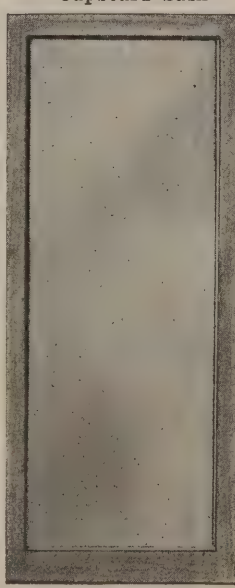


The hot bed is generally made 6x6 feet in dimensions, with a pit two feet below the surface of the ground. The best size of hot bed sash to use is 3x6, glazed with 6-inch glass.

Select as a location land with a good subsoil drainage, facing south or southeast, and protected from the north and west winds by hillside, hedges, building or trees. Rich, fresh horse manure, containing plenty of straw, is preferable, as it gives a quick, intense heat. Prolong the fermentation as much as possible by frequent handling. Keep it in a pile and turn it over every two or three days until it is heated thoroughly. Then place it in the bottom of the pit, tramping down firmly in layers.

When the bed is filled to a depth of eighteen inches (in a climate like that of Southern Pennsylvania or New Jersey), put the sashes on and leave it for

Cupboard Sash



three or four days before adding the soil. When the bed is covered with soil, let it stand for four days to permit the soil to get warm and the weed seed to germinate. Then rake over fine and evenly, press down the soil with a wide board and your hot bed is ready for the seed. If you make several hot beds, the frames should be built in parallel rows, enabling a man walking between them to look after the ventilation of two rows of sash at the same time.

The hot bed should be made about two weeks before the time to sow seed.

Raise the sash a little every morning for ventilation, but do not allow the cold air to blow directly on the plants.

Close the sash at night in order to retain the heat. This matter of ventilation is very important and must be attended to daily, not every other day, or your plants will perish.

Cupboard Sash



H 14250—3-0 x 6-0....\$1.82

HF 14320—1-6 x 4-0.....\$1.00

HF 14322—1-8 x 4-0..... 1.15

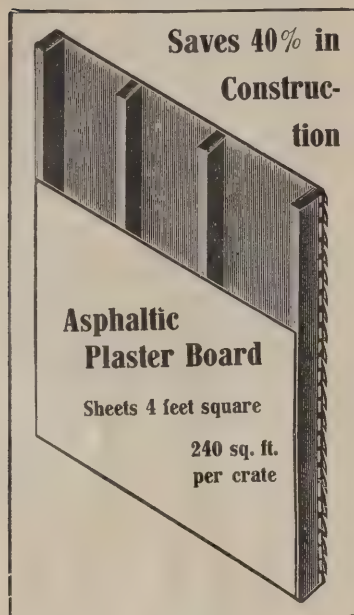
HF 14325—1-6 x 4-0...\$1.85

HF 14330—1-8 x 4-0... 2.15

All goods on this page shipped from mill except Hot Bed Sash, which may be shipped from either Chicago or the mill.

Asphaltic Plaster Board

A Substitute for Plaster and Sheathing. The Only Material Produced that Stands Climatic Conditions. Keeps out Water, Dampness, Heat, Cold and Winds.



Asphaltic Plaster Board, as plaster, is more durable than lath and plaster. There is no breaking or falling off. It costs less than plaster and anyone can apply it with hatchet and saw. It is more economical than wood sheathing and plaster, and is applied by one workman.

This material is made 4 ft. wide with the lath embedded in the hot Asphalt Mastic at a pressure of 500 lbs. to the square inch, thus assuring perfect adhesion and thoroughly stiffening the combination. In applying sheathing, it should be nailed through each lath to the studding, in order to develop the full strength of the material.

Asphaltic Plaster Board is a patented material a perfect substitute for lumber and plaster and costs less money and is more economical than any other material made.

For interior finish, when applied to studding it is ready for decoration, all joints being perfectly smooth, making the wall vermin proof: and is a perfect deadener of sound. Notice illustration showing it applied as plaster.

It is also extensively used as sheathing. It is made to suit any weather boarding. In applying as sheathing, you save half the labor and apply with one handling a two-ply Asphalt Mastic Coated paper, saving the wood sheathing and tar paper.

Asphaltic Plaster Board is made in two ways. One as a substitute for plaster, the other to take the place of sheathing. Be sure to state which is wanted when ordering.

HF 28400 Asphaltic Plaster Board, used as a substitute for plaster. Price per 100 sq. ft. **\$2.50**

HF 28401 Asphaltic plaster Board, used as a substitute for sheathing. Price per 100 sq. ft. **\$2.50**

The above quotations are for goods free on board cars at the factory in Michigan, or f. o. b. factory at New Orleans whichever is nearest to your home town.

A building sheathed and lined with Asphaltic Plaster Board is warm in winter and cool in summer.

\$6.00 per crate of 240 feet

The cost of Asphaltic Plaster Board is not only less but it is more durable.

It is absolutely free from odor and positive proof against air, sound and vermin.

Asphaltic Plaster Board is especially desirable for new partitions in old or in already completed buildings. You can readily apply it over old ceilings and walls and get good results.



Showing Asphaltic Plaster Board being applied over a common brick wall and old sheathing ceiling.

Remember with Asphaltic Plaster Board you can use every square foot. It can easily be cut with a hand saw to fit around spaces without the least bit of waste.

It is a simple matter to apply Asphaltic Plaster Board and it takes only about one-half the time required in the use of any other material.



The above illustration shows the construction of Asphaltic Plaster Board.

Stock Stair Work

Newel

Angle Newel

Angle Newel

Angle Newel

Newel



6 in. shaft 4 ft. long

4 1/2 in. shaft
5 to 6 ft. long

Price

HF 20005
Oak\$1.72
HF 20006
Yellow Pine... 1.62



6 in. shaft 4 ft. long

4 1/2 in. shaft
5 to 6 feet long

Price

HF 20015
Oak\$1.80
HF 20016
Yellow Pine... 1.65



6 in. shaft 4 ft. long

4 1/2 in. shaft
5 to 6 feet long

Price

HF 20025
Oak\$2.90
HF 20026
Yellow Pine...2.75



6 in. shaft 4 ft. long

Price

HF 20000—Oak\$3.18
HF 20001—Yellow Pine..... 2.85
HF 20010—Oak\$5.00
HF 20011—Yellow Pine..... 4.40
HF 20020—Oak\$3.15
HF 20021—Yellow Pine 3.00
HF 20030—Oak\$3.40
HF 20031—Yellow Pine..... 3.10

Hand Sanded Balusters

HF 20100

HF 20110

HF 20120



Oak

Yellow Pine

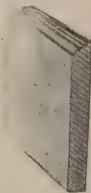
1 3/8 x 28 in.10c
1 3/8 x 32 in.10c
1 3/8 x 32 in. 8c
1 3/8 x 28 in. 8c

Stair Rail



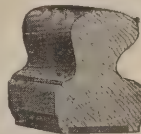
1 3/4 x 3 3/4 in.

Per ft. HF 20150—Yellow Pine 8c
HF 20155—Oak 10c
HF 20210—Yellow Pine, per foot 7c
HF 20215—Plain Oak, per foot 11c



Stair Treads, Risers and String Boards

Stair Rail



2 1/2 x 3 1/2 in.

Our string boards are furnished in two kinds of clear kiln-dried wood. They are wide and will receive the ends of treads and risers described below. All shipped from mill in Eastern Iowa.

Cove for Stairs

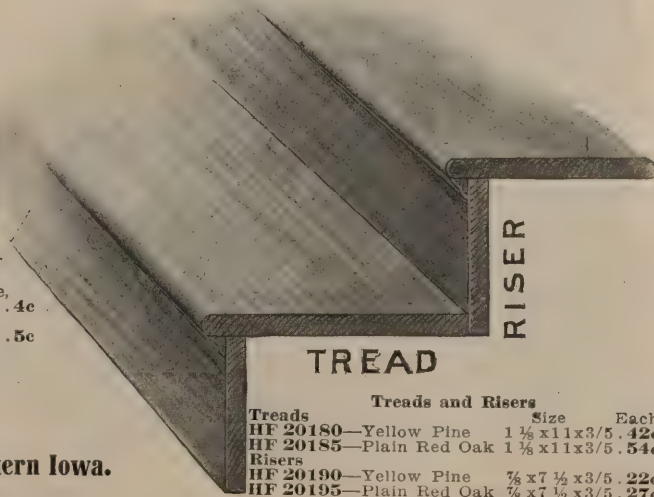
HF 20200—Yellow Pine, 3/4 x 7/8, per 100 ft.33c
HF 20205—Plain Oak, 3/4 x 7/8, per 100 ft.65c

Shoe



1 3/16 x 2 3/4 in.

HF 20170—Yellow Pine, per foot.....4c
HF 20175—Plain Oak, per foot.....5c



TREAD

RISER

Treads and Risers

Treads	Size	Each
HF 20180—Yellow Pine	1 1/2 x 11 x 3/5	.42c
HF 20185—Plain Red Oak	1 1/2 x 11 x 3/5	.54c
Risers		
HF 20190—Yellow Pine	7/8 x 7 1/2 x 3/5	.22c
HF 20195—Plain Red Oak	7/8 x 7 1/2 x 3/5	.27c

The prefix HF on this page means that goods are shipped from mill in Eastern Iowa.

We Save You from \$50.00 to \$75.00 on Your Stairs

Note the attractive STAIR DESIGNS on this page, the actual prices we ask for each and the contrast between what we ask and the usual prices. The difference is worth saving.

The Stair Designs on this Page are Only Suggestions.

You can follow either suggestion in full, if you choose to and if it suits your building, or you can select any newel, balusters or rail listed in this catalogue, at the prices quoted with each. We furnish everything to build a stairway, except the rough horses. We carry all our stairwork in stock at the factory in eastern Iowa, both in yellow pine and plain red oak, ready for immediate shipment. We are especially careful in packing and crating our stair work, and you may be assured of its reaching you bright, new and clean. Our prices are low; but let no man tell you that the material is cheap or the workmanship inferior. We absolutely guarantee both material and workmanship to be first class in every respect.

It has been claimed for years by stair builders that an ordinary carpenter could not build a stairway properly, but that stairs must be purchased from them in the knock-down to be put up right. This is no longer true, as by purchasing of us the necessary treads, risers, balusters, rail, newels and string boards, any carpenter can put up your stairs in a first class manner, now, and do so at a very decided saving to you—\$50.00 to \$75.00 on each stairway.

If you need any assistance in ordering a complete stair outfit correctly, let us help you. Our millwork manager will take it up with you personally on request.

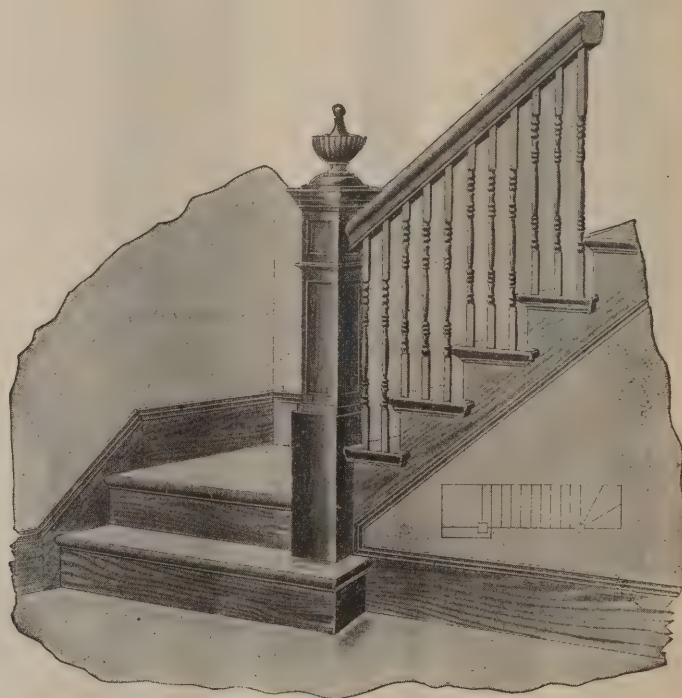


HF 20295

Design HF 20295 consists of:

HF 20180—15 treads, 42c each.....	\$ 6.20
HF 20190—16 risers, 22c each.....	3.52
HF 20021— 1 starting newel.....	3.00
HF 20026— 2 angle newels, \$2.75 each.....	5.50
HF 20120—26 balusters (28 in. and 32 in.), 8c each.....	2.08
HF 20210—34 ft. string board, 7c per foot.....	2.38
HF 20150—18 ft. rail, 8c per foot.....	1.44
HF 20200—60 ft. cove.....	.20
HF 20220—14 stair brackets, 14c each.....	1.96

Our price	\$26.28
Average dealer's price.....	75.00
Our saving to you.....	48.72



HF 20296

Design HF 20296 consists of:

HF 20180—15 treads, 42c each	\$ 6.20
HF 20190—16 risers, 22c each	3.52
HF 20031— 1 starting newel	3.10
HF 20016— 1 landing newel	1.65
HF 20100—41 balusters, 8c each	3.28
HF 20160—18 ft. rail, 12c per foot.....	2.16
HF 20200—60 ft. cove .....	.20
HF 20210—34 ft. string board, 7c per ft.....	2.38

Our price	\$22.49
Dealer's price	75.00
Our saving to you.....	52.51

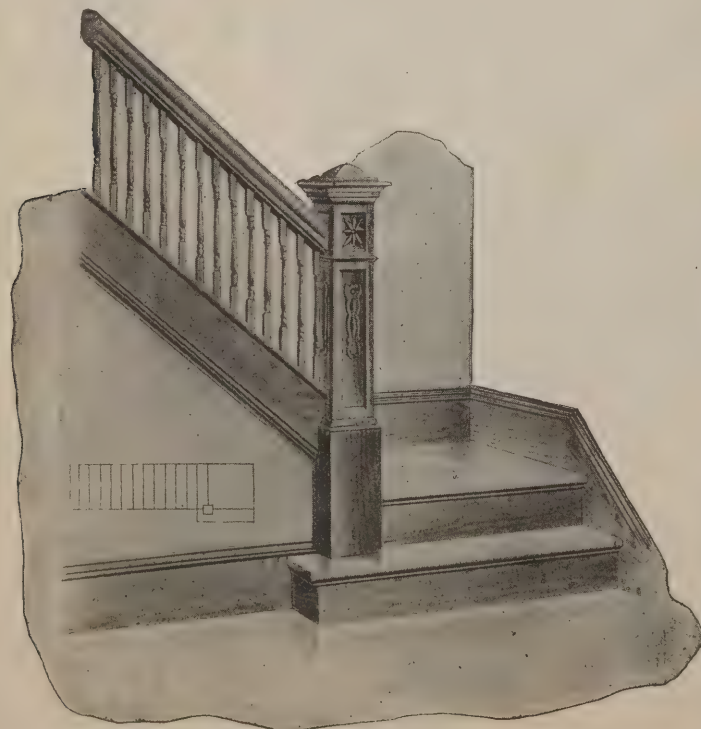
Design HF 20297 consists of:

All Yellow Pine

HF 20180—15 treads, 42c each	\$ 6.20
HF 20190—16 risers, 22c each	3.52
HF 20011— 1 starting newel	4.40
HF 20110—26 balusters 28 inches, 8c each.....	2.08
HF 20160—18 ft. rail, 12c per foot.....	2.16
HF 20210—34 ft. string board, 7c per ft.....	2.38
HF 20200—60 ft. cove .....	.20
HF 20170—18 ft. shoe and fillet, 4c per foot.....	.72

Our price	\$21.66
Dealer's price	75.00
Our saving to you.....	53.34

Shipped direct from Factory in Eastern Iowa.



HF 20297

Wood Cap

Colonial Porch Material

Composition Cap

	Diam.	Height	
	In.	over all	Price
HF 20300	6	8 ft.	\$1.80
HF 20302	6	9 ft.	2.00
HF 20304	8	8 ft.	2.16
HF 20306	8	9 ft.	2.40
HF 20308	8	10 ft.	2.64
HF 20310	10	8 ft.	2.70
HF 20312	10	9 ft.	3.00
HF 20314	10	10 ft.	3.30

We can furnish columns up to 30 inches in diameter and up to 28 feet in length.



	Diam.	Height	
	inches	over all	Price
HF 20360	6	8 ft.	\$2.40
HF 20362	6	9 ft.	2.58
HF 20364	8	8 ft.	2.82
HF 20368	8	9 ft.	3.00
HF 20370	8	10 ft.	3.30
HF 20372	10	8 ft.	3.60
HF 20374	10	9 ft.	3.90
HF 20376	10	10 ft.	4.20

In comparing our prices with others, always consider quality.

Star

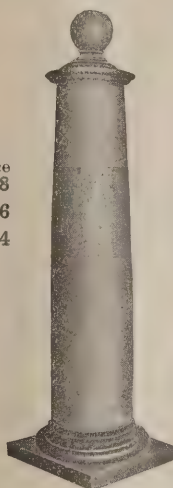
Sectional Cut of Built-Up Columns

Showing "V" lock-joint, giving one-third more pressure gluing surface than any other built-up column on the market.

We can make prompt shipment of all designs shown on this page.

Colonial Newel—Star

	Diam.	Height	Price
	In.	Hgt.	
HF 20350	6	4 ft.	\$1.08
HF 20351	8	4 ft.	1.26
HF 20352	10	4 ft.	1.44



Colonial Newel

To match Plain Colonial Columns

Fluted Newel

	Diam.	Height	Price
	In.	Hgt.	
HF 20380	6	4 ft.	\$1.75
HF 20382	8	4 ft.	2.00
HF 20384	10	4 ft.	2.25

Fluted Newel
To match Fluted Columns

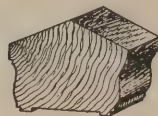
All porch material on this page is shipped from factory in Southern Michigan, except Colonial Porch Rails and Balusters, which are shipped from mill in Eastern Iowa.

Colonial Baluster

	Diam.	Height	Price
	In.	over all	
HF 20400	8	8 ft.	\$3.75
HF 20402	8	9 ft.	4.00
HF 20404	8	10 ft.	4.25
HF 20406	10	8 ft.	5.00
HF 20408	10	9 ft.	5.25
HF 20410	10	10 ft.	5.50

HF 20426

Colonial Top Rail



Size, 2 3/4 x 3 3/4

Price per lineal ft.8c



Solid Turned

Baluster.

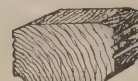
HF 20420—2 1/4 x 2 1/4 x 20 in.11 1/2c

HF 20424—2 1/4 x 2 1/4 x 24 in.13 1/2c

	Diam.	Height	Price
	In.	over all	
HF 20428	8	8 ft.	\$4.75
HF 20430	8	9 ft.	5.00
HF 20432	8	10 ft.	5.25
HF 20434	10	8 ft.	6.25
HF 20436	10	9 ft.	6.50
HF 20438	10	10 ft.	6.75

HF 20427

Colonial Bottom Rail



Size, 1 3/4 x 2 3/4

Price per lineal ft.4c

American Ideal Homes



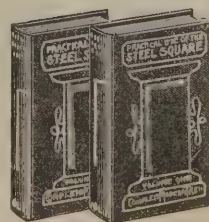
M 3360—This book contains plans of 100 houses, ranging in price from \$550 up to \$6,500; 2 churches, 5

barns, 3 sheds, 1 store building, and 1 summer cottage. Containing designs of houses entirely different from those illustrated in The Radford American Homes, and such as 90 per cent of the people wish to build and do build. These designs are all original, popular and attractive, and have been drawn by licensed architects of the State of Illinois. The average price of the blue prints and specifications is \$5.00 a set, and they are just the same as plans which, if prepared especially for you by an architect, would cost you from \$50.00 to \$75.00. Size, 7 1/2 x 10 1/2. Bound in cloth. (Postage, 10c.) Our price69c

Steel Square and Its Modern Uses

By Fred T. Hodgson.

This is one of the latest practical works on the subject published. It is thorough, accurate, clear and easily understood. It is an exhaustive work, including some very ingen-



ious devices for layout bevels for rafters, braces and other inclined work. Also chapters on the square as a calculating machine, solids, surfaces and distances. Bound in cloth. Size, 5 1/2 x 8 in. Each volume well illustrated.

M 3828—Vol. 1. Elementary Course.

242 pages. Our price69c

M 3829—Vol. 2. Advanced Course. 230

pages. Our price69c

(Postage extra on each volume, 11c.)

M 3830—These two volumes bought at

one time\$1.26

(Postage on the set of 2 volumes, 22c.)

NOTE: These two books also contain plans for a number of medium priced houses.

Porch Material

Turned Veranda Porch Posts

	Size Inches	Length Feet	Price No. 1 Quality
H 20448	4x4	8	\$0.55
H 20449	4x4	9	.63
H 20458	5x5	8	.86
H 20459	5x5	9	.97
H 20460	5x5	10	1.10
H 20468	6x6	8	1.23
H 20469	6x6	9	1.36
H 20470	6x6	10	1.60

Sawed Balusters

	Size	Length	Price
HF 20520	7/8x6	20 in.	\$0.07
HF 20524	7/8x6	24 in.	.07

Porch Balusters

Size	Price each
1 3/4x20	\$0.04 3/4
1 3/4x24	.04 3/4

Either design furnished at the above price.

Price per crate of 50	\$2.25
Price per crate of 100	4.00

Mars



Porch Newels

	Size	Length	Price
Cat. Nos.			
H 20484	4x4	4 ft.	\$0.36
H 20485	5x5	4 ft.	.50
H 20486	6x6	4 ft.	.66
H 20494	4x4	4 ft.	.33
H 20495	5x5	4 ft.	.47
H 20496	6x6	4 ft.	.65

Carried in stock at Chicago.

Venus



Porch Spindles

H 20538

1 3/8x8	\$0.02
1 3/8x10	.02

H 20539

Crate of 100	\$1.50
Crate of 100	1.50

H 20540

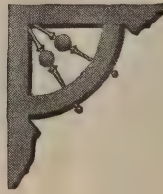
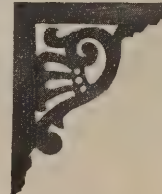
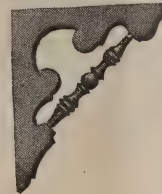
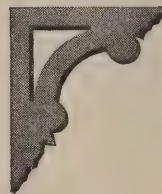
Porch Brackets

H 20550

H 20561

H 20572

H 20583



All 1 1/8 in. thick.

Size	H 20550	H 20561	H 20572	H 20583
10x12	\$0.05	\$0.06	\$0.08	\$0.06
12x14	.06	.07	.09	.08

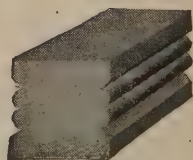
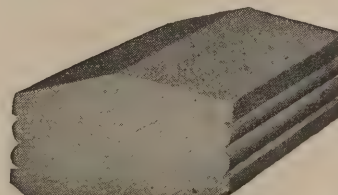
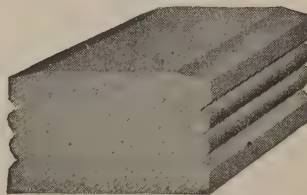
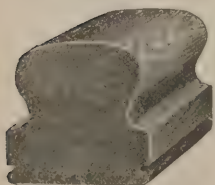
Top and Bottom Porch Rail

HF 20590

HF 20591

HF 20592

HF 20593



Top Rail, 2 5/8x2 5/8

Price per 100 lineal feet. \$5.00

Bottom Rail, 1 3/4x2 5/8

\$3.50

Top Rail, 1 1/2x3

\$3.25

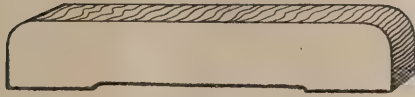
Beaded Baluster Stock, 1 3/4x1 3/4 in.

\$2.00

We call particular attention to Beaded Baluster stock, which we ship out in lineal lengths and can be cut up, forming Porch Balusters very low in price, and which makes a first-class porch job.

Interior Finish

Pilaster Casing



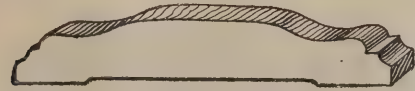
Plain

Kind of Wood	13-16x3 3/4	Price	13-16x4 1/4	Price
Yellow Pine..	HF 20600	\$1.62	HF 20610	\$1.75
White Pine..	HF 20601	1.76	HF 20611	2.00
Cypress	HF 20602	2.00	HF 20612	2.00
Birch	HF 20603	2.60	HF 20630	2.60
Plain Oak ..	HF 20604	3.50	HF 20631	3.50



Moulded Casing

Kind of Wood	13-16x3 3/4	Price	13-16x4 1/4	Price
Yellow Pine..	HF 20605	\$1.75	HF 20622	\$1.75
White Pine..	HF 20606	2.00	HF 20623	2.00
Cypress	HF 20607	2.00	HF 20624	2.00
Birch	HF 20608	2.60	HF 20625	2.60
Plain Oak ..	HF 20609	3.50	HF 20626	3.50



Moulded Casing

Kind of Wood	13-16x3 3/4	Price	13-16x4 1/4	Price
Yellow Pine..	HF 20632	\$1.75	HF 20637	\$1.75
White Pine..	HF 20633	2.00	HF 20638	2.00
Cypress	HF 20634	2.00	HF 20639	2.00
Birch	HF 20635	2.60	HF 20640	2.60
Plain Oak ..	HF 20636	3.50	HF 20641	3.50



Moulded Casing

Kind of Wood	13-16x4 1/4	Price	13-16x4 1/4	Price
Yellow Pine..	HF 20642	\$1.75	HF 20647	\$2.02
White Pine..	HF 20643	2.00	HF 20648	2.25
Cypress	HF 20644	2.00	HF 20649	2.25
Birch	HF 20645	2.60	HF 20650	3.00
Plain Oak ..	HF 20646	3.50	HF 20651	4.25



O. G. Casing

Kind of Wood	13-16x4 1/4	Price	13-16x4 1/4	Price
Yellow Pine..	HF 20652	\$1.75	HF 20657	\$2.02
White Pine..	HF 20653	2.00	HF 20658	2.25
Cypress	HF 20654	2.00	HF 20659	2.25
Birch	HF 20655	2.60	HF 20660	3.00
Plain Oak ..	HF 20656	3.50	HF 20661	4.25

The above prices on Oak and Birch casing are for 200 or more feet random lengths. For less than 200 feet a net charge of 75c will be charged for setting machine.

A charge of 15 per cent will be made for cutting mouldings to length. We charge for even feet, for instance if you order one piece casing 7 feet 2 inches, we charge you for 1 piece 8 feet long and add 15 per cent to the catalogue price.

If you do not state otherwise we will ship in random lengths just as they come from the racks in 10, 12, 14 and 16 ft. lengths.

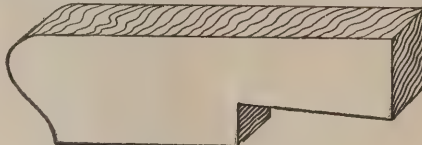
Window Stool



Price per 100 lineal feet.

Size, 1 1/2 x 3 3/4 inch.

HF 20667—Yellow Pine	\$2.37
HF 20668—White Pine	2.77

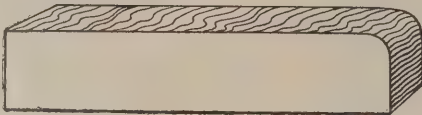


Price per 100 lineal feet.

Size, 1 1/2 x 4 1/4.

HF 20669—Yellow Pine	\$2.68
HF 20670—White Pine	3.22
HF 20672—Cypress	3.22
HF 20673—Birch	3.75
HF 20675—Plain Red Oak	5.65

Window Apron



Price per 100 lineal feet.

Size, 13/16x3 3/4

HF 20679—Yellow Pine	\$1.55
HF 20680—White Pine	1.79
HF 20682—Cypress	1.79
HF 20684—Birch	2.20
HF 20686—Plain Red Oak	3.20

Size, 13/16x4 1/4.

HF 20689—Yellow Pine	\$1.80
HF 20690—White Pine	2.05
HF 20692—Cypress	2.05
HF 20694—Birch	2.60
HF 20696—Plain Oak	3.60

Chair Rail



Price per 100 lineal feet.

HF 20697—Yellow Pine	\$1.20
HF 20698—Plain Red Oak	2.90



Quarter Round.

Size—3/4 x 3/4.

HF 21066—Yellow Pine.	Per 100 lineal ft. 30c
HF 21166—White Pine.	Per 100 lineal ft. 44c
HF 21266—Plain Red Oak.	Per 100 lineal ft. 75c
HF 21366—Birch.	Per 100 lineal ft. 50c

Cove Moulding.

H 21060

Price per 100 lineal ft.

Yellow Pine

Size 3/4 x 3/4 30c

Size 13/16x1 1/2 38c

White Pine

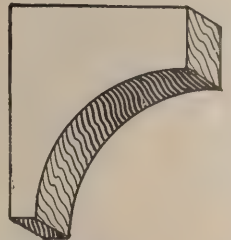
Size 3/4 x 3/4 44c

Size 13/16x1 1/2 54c

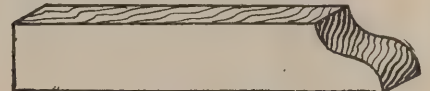
Plain Red Oak

Size 3/4 x 3/4 75c

Size 13/16x1 1/2 95c



DOOR AND WINDOW STOPS.



Yellow Pine

Cat. Nos.	Price
H 21083—3/4 x 1 1/4	30c
H 21084—3/4 x 1 1/4	33c
H 21085—3/4 x 1 1/4	42c
H 21086—3/4 x 2	57c
H 21097—1/2 x 1 1/4	33c
H 21096—1/2 x 1 1/4	36c
H 21095—1/2 x 1 1/4	48c
H 21094—1/2 x 2	55c

White Pine

H 21183—3/4 x 1 1/4	42c
H 21184—3/4 x 1 1/4	46c
H 21185—3/4 x 1 1/4	61c
H 21186—3/4 x 2	70c
H 21197—1/2 x 1 1/4	48c
H 21196—1/2 x 1 1/4	52c
H 21195—1/2 x 1 1/4	70c
H 21194—1/2 x 2	78c

Plain Oak

H 21283—3/4 x 1 1/4	\$0.75
H 21284—3/4 x 1 1/4	.85
H 21285—3/4 x 1 1/4	1.10
H 21286—3/4 x 2	1.20
H 21297—1/2 x 1 1/4	.85
H 21296—1/2 x 1 1/4	.90
H 21295—1/2 x 1 1/4	1.20
H 21294—1/2 x 2	1.35

WAINSCOTING CAP.

Price per 100 lineal feet.

Size—13/16x2 3/4 in.

Yellow Pine

HF 21258 \$1.15

White Pine

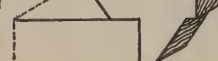
HF 21259 \$1.38

Cypress

HF 21270 \$1.30

Plain Oak

HF 21275 \$3.00



PICTURE MOULDING.

Price per 100 lineal feet.

Size 13/16x1 1/2.

Yellow Pine

H 21280 \$0.60

Plain Oak

HF 21285 \$1.35

Cypress

HF 21290 \$0.78

Birch

HF 21295 \$0.96



Montgomery Ward & Co. Dear Sirs: I have been trading with you for about 14 years and have had a copy of every general catalogue issued by your house since number 54. I have bought goods from every department of your catalogue and have always been treated with the utmost courtesy and have many times received better goods than I ordered and paid for; in fact, Montgomery Ward & Co. has always treated me square. Thanking you for the Steel Range which you sent me, I am, Respectfully yours, Caleb S. Wilcox, Gwynneville, Ind.

Montgomery Ward & Co. Dear Sirs—We like the range (Imperial Windsor) we bought of you just fine. It's a good cooker and a fine baker. My brother-in-law bought a range at the home dealer's and paid \$56.00 for it, and I wouldn't trade with him now, so you know I consider it a bargain. We consider that we saved more than a third on our furniture by getting it from you, and as soon as we get our house done will get some more, and we will undoubtedly let you have the order. Rolland Landes, Jackson, Minn.

Door and Window Cap Trim



Cap Moulding

Price per 100 lineal feet.
Size $1\frac{1}{8} \times 2\frac{1}{4}$ in.

HF 20896—Yellow Pine	\$1.60
HF 20897—White Pine	1.80
HF 20898—Plain Red Oak: 200 lineal feet or more.....	3.15

Head Casing

Price per 100 lineal feet.
Size— $1\frac{3}{16} \times 4\frac{1}{2}$ in.

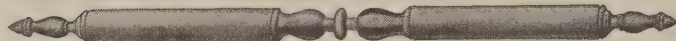
HF 20700—Yellow Pine	\$1.80
HF 20701—White Pine	2.16
HF 20703—Plain Red Oak: 200 lineal feet or more.....	3.80

Fillet

Price per 100 lineal feet.
Size— $7/16 \times 1$ in.

HF 20795—Yellow Pine	\$0.32
HF 20796—White Pine .....	.45
HF 20797—Oak .....	.85

CORNER BEADS.



H 21434— $1\frac{1}{8} \times 4$ ft. Yellow Pine.....	10c
H 21435— $1\frac{1}{8} \times 4$ ft. White Pine.....	10c

HARDWOOD THRESHOLDS.



H 21278

Size, $\frac{5}{8} \times 3\frac{3}{4}$, 3 feet long. Price, each.....6c

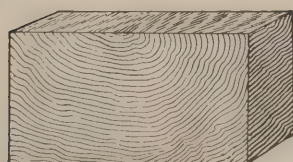


BASE ANGLES.

H 21445— $1\frac{1}{8} \times 12$. Yellow Pine.....	2c
H 21450— $1\frac{1}{8} \times 12$. White Pine.....	2c
Per crate of 100.....	\$1.80

BLIND STOP.

$1\frac{3}{16} \times 1\frac{1}{8}$.



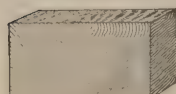
Price per 100 lineal ft.

HF 21430

White Pine65c

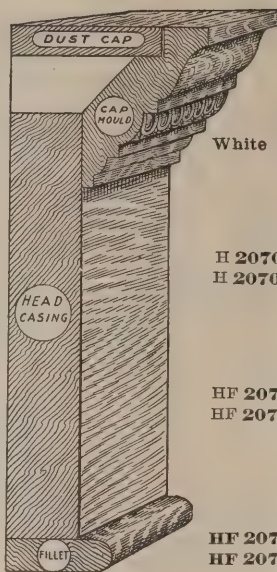
PARTING STOP.

$\frac{1}{2} \times 1\frac{3}{16}$



Price per 100 lineal ft.

HF 21432—Yellow Pine.....	32c
HF 21433—White Pine.....	44c



DUST CAP.

HF 20699

Price per 100 lineal feet.
Size $5/16 \times 1\frac{1}{4}$ in.

White Pine59c

EMBOSSED CAP MOULDING.

Price per 100 lineal feet.
Size $\frac{7}{8} \times 2\frac{1}{2}$ in.

H 20702—Yellow Pine	\$1.75
H 20704—Oak	2.40

HEAD CASING.

Price per 100 lineal feet.
Size $1\frac{3}{16} \times 4\frac{1}{2}$ in.

HF 20700—Yellow Pine	\$1.80
HF 20703—Plain Red Oak.....	4.40

FILLET.

Price per 100 lineal feet.
Size $7/16 \times 1$ in.

HF 20795—Yellow Pine	32c
HF 20797—Oak	85c

EMBOSSED MOULDINGS.



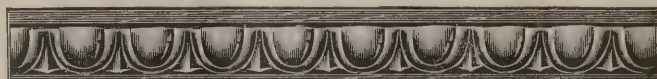
Price per 100 lineal feet.
Size $\frac{5}{8} \times \frac{1}{2}$.

H 21500—Yellow Pine	\$0.80
H 21505—Oak	1.00



Price per 100 lineal feet.
Size $\frac{5}{8} \times \frac{1}{2}$.

H 21510—Yellow Pine	\$0.90
H 21515—Oak	1.00



Price per 100 lineal feet.
Size $\frac{5}{8} \times \frac{1}{2}$.

H 21520—Yellow Pine	\$1.00
H 21525—Oak	1.10

EMBOSSED PICTURE MOULDING.



Price per 100 lineal feet.
Size $\frac{7}{8} \times 1\frac{1}{2}$.

H 21530—Yellow Pine	\$1.50
H 21535—Oak	1.75



The above illustration shows our Embossed Cap Moulding.
Size $\frac{7}{8} \times 2\frac{1}{2}$.

H 20702—Yellow Pine	\$1.75
H 20704—Oak	2.40

Articles with Prefix H.F. are shipped direct from the mill in Eastern Iowa.

Interior Finish

O. G. Base

Price per 100 lineal ft.
Size 13/16x7¼ in.

HF 21386—Yellow Pine.....\$2.80
HF 21387—White Pine..... 3.42

Base

Price per 100 lineal ft.
Size 13/16x7¼.

HF 21426—Yellow Pine.....\$2.80
HF 21427—White Pine..... 3.42
HF 21428—Red Oak..... 5.75
HF 21429—Cypress 3.40
HF 21430—Birch 4.30

Three Member Base

Base Moulding

Price per 100 lineal ft.
Size 13/16x2¼ in.

HF 21420—Yellow Pine\$1.00
HF 21421—White Pine 1.19
HF 21422—Plain Red Oak..... 2.10
HF 21423—Birch 1.45
HF 21424—Cypress 1.10

Base

Price per 100 lineal ft.
Size 13/16x7½ in.

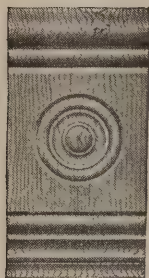
HF 21431—Yellow Pine\$3.13
HF 21432—White Pine 3.52
HF 21433—Plain Red Oak..... 6.00
HF 21434—Birch 4.50
HF 21435—Cypress 3.60

Carpet Strip

Price per 100 lineal ft.

HF 21442—Yellow Pine\$0.33
HF 21443—White Pine38
HF 21444—Plain Red Oak..... .70
HF 21445—Birch53
HF 21446—Cypress41

Head Block



Yellow Pine

Price per 100

H 22000—4½ x10x1½\$3.75
H 22002—5 x10x1½ 3.75

Pine

H 22004—4½ x10x1½\$3.90
H 22006—5 x10x1½ 3.90

Cypress

HF 22008—4½ x10x1½\$4.50
HF 22010—5 x10x1½ 4.50

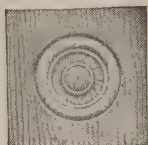
Birch

HF 22012—4½ x10x1½\$5.40
HF 22014—5 x10x1½ 5.50

Plain Red Oak

HF 22016—4½ x10x1½\$5.40
HF 22018—5 x10x1½ 5.50

Corner Block



Yellow Pine

Price per 100

H 22020—4½ x4½ x1½\$2.00
H 22022—5 x5 x1½ 2.00

Pine

H 22024—4½ x4½ x1½\$2.00
H 22026—5 x5 x1½ 2.00

Cypress

HF 22028—4½ x4½ x1½\$2.25
HF 22030—5 x5 x1½ 2.25

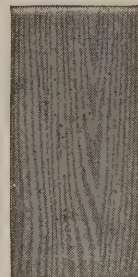
Birch

HF 22032—4½ x4½ x1½\$2.65
HF 22034—5 x5 x1½ 2.75

Plain Red Oak

HF 22036—4½ x4½ x1½\$2.75
HF 22038—5 x5 x1½ 2.75

Base Block



Yellow Pine

Price per 100

H 22070—4½ x10x1½\$3.75
H 22072—5 x10x1½ 3.75

Pine

H 22074—4½ x10x1½\$3.90
H 22076—5 x10x1½ 3.90

Cypress

HF 22078—4½ x10x1½\$4.50
HF 22080—5 x10x1½ 4.50

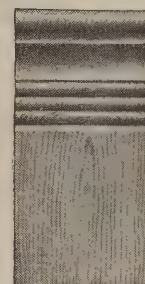
Birch

HF 22082—4½ x10x1½\$8.00
HF 22084—5½ x10x1½ 8.00

Plain Red Oak

HF 22086—4½ x10x1½\$10.00
HF 22088—5 x10x1½ 10.00

Base Block



Yellow Pine

Price per 100

H 22050—4½ x10x1½\$3.75
H 22052—5 x10x1½ 3.75

Pine

H 22054—4½ x10x1½\$3.90
H 22056—5 x10x1½ 3.90

Cypress

HF 22058—4½ x10x1½\$4.50
HF 22060—5 x10x1½ 4.50

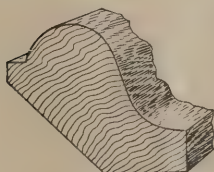
Birch

HF 22062—4½ x10x1½\$5.40
HF 22064—5 x10x1½ 5.50

Plain Red Oak

HF 22066—4½ x10x1½\$5.40
HF 22068—5 x10x1½ 5.50

Bed Moulding

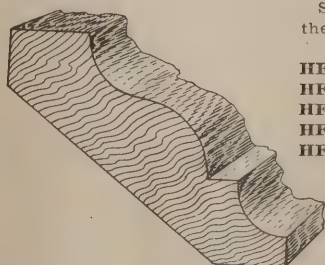


Soft Wood

Price per 100 lineal ft.

HF 20830—13/16x2¼\$1.10
HF 20832—13/16x2 1.00
HF 20833—13/16x2¼ 1.25

Crown Moulding

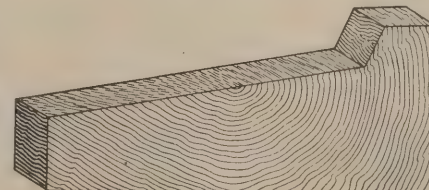


Soft wood only carried in stock at the factory for immediate shipment.

Price per 100 lineal feet.

HF 20909—13/16x3¼ in.....\$1.46
HF 20910—13/16x2¼ in..... 1.10
HF 20912—13/16x4¼ in..... 1.65
HF 20913—13/16x4¼ in..... 1.80
HF 20914—13/16x3¼ in..... 1.30

Drip Cap



Price per 100 lineal feet.

Cat. No.
HF 21283—1½ in.\$1.28
HF 21284—2 in. 1.62
HF 21285—2½ in. 1.97
HF 21286—3 in. 2.34

The prefix HF means goods are shipped from mill in Eastern Iowa

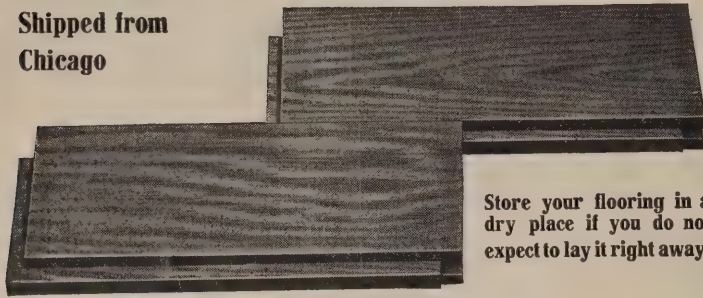
**3-8 inch flooring
weighs 100 lbs.
per 100 feet.**

Hardwood Flooring

Oak, Maple and Yellow Pine

**13-16 in. floor-
ing weighs 250
lbs. per 100 feet**

**Shipped from
Chicago**



**Store your flooring in a
dry place if you do not
expect to lay it right away.**

All our flooring with the exception of the yellow pine is end-matched and the 13/16-inch oak and maple is hollow backed and bored for blind nailing. The thin 3/4-inch flooring is not bored, and is manufactured with a smooth sawn back. Steelhardt's "iron wear" rock maple flooring is suitable for all purposes. Its very close grain, dense fiber and non-resisting surface, ranks it easily as the best hardwood flooring made. None can compare with this flooring for wearing quality.

The factory common is not the cheapest grade manufactured, the lowest grade being No. 2 factory, which contains more or less what some call "culls," a grade, however, which we do not care to handle. Our factory common would not be suitable for dining room floors, or even kitchen floors, but is mainly used for factory purposes, hence its name "factory flooring."

It would, however, be a suitable article for attic floors and porches, warehouses or any place where a good, sound floor is desired. In short, for purposes where strength is more of an object than beauty. When we say it makes a good, sound floor we mean that some little cutting will have to be done as it contains a good many knots and other defects. The lengths on this grade are 1 to 16 feet mixed or random lengths and is end-matched same as the better grades.

The clear grade of maple flooring is suitable for any residence, and is most commonly used for kitchen and bath room floors. It is also extensively used in public buildings where a strictly high-grade hardwood floor is desired.

The selected common grade makes an ideal floor for halls, stores, chambers, upstairs floors or wherever a low priced floor is wanted.

At our low prices it is more economical to use this class of flooring, than even common pine, which is never bored for blind nailing or even end-matched.

The clear grade is defined by the manufacturers as practically clear on face, and free from defects like knots, shake, worm holes, etc. The selected common is just what the name implies, the best or selects from the common lumber, contains some knots, of course, but also includes the rejects from the clear grade which contains too many defects, either in quality or material or workmanship to grade as clear. Very often with some little cutting here and there, a practically clear floor can be obtained from this grade but, of course, not without waste.

Knots in hardwood flooring are not nearly as numerous as in soft pine, or other soft woods, nor as large, and they all must be of the sound tight variety. Selected common oak flooring has a tendency to be of a somewhat better quality than maple, differing in one particular that while the defects and knots are not as slightly or as noticeable, the character of the wood naturally is apt to contain more of the minor defects, which, however, can be largely overcome by the use of the wood filler, which always should be used to properly finish oak floors.

Colored oak wood filler should be utilized to equalize the color of the flooring if desirable, but many people prefer a variegated color scheme. We offer this explanation as the manufacturers do not consider the question of color in the natural wood. This, however, has no reference to the difference between red oak and white oak, but more particularly to the fact that in either the red or white some pieces would be lighter or darker than others. At the same time it would be all red oak or all white oak. The standard lengths of the clear grade are shipped in random or miscellaneous lengths from 2 to 16 feet, and the selects from 1 1/2 to 16 feet. This means that we do not supply all one certain length, for instance all 12 feet or all 16 feet, but you will receive some short lengths, some medium lengths and some long lengths, equalized by the quantity ordered, but the quantity of short lengths shall not exceed over 10 per cent under 4 feet.

Our yellow pine flooring is not end-matched and is shipped in miscellaneous lengths from 8 to 16 feet. We sell only the clear grade plain, sawed and quarter sawed. The plain sawed is also known as flat grained or

flat sawed and the quarter sawed is better known as edge grain, and straight grain, also as vertical grained. Should you desire yellow pine flooring of one certain length, we can supply same at 50 cents per hundred feet extra.

We have taken particular pains to present our line of flooring in such a way as will be easily understood by anyone, and if you will carefully read the instructions and information given there should be no difficulty in determining as to what particular kind and grade will be most suitable for your requirements.

FLOORING SENT AS ORDERED CAN NOT BE RETURNED

Mistakes made on our part, however, such as sending the wrong size, thickness or quality or shortage, will be promptly adjusted to your entire satisfaction.

Errors of this kind are guarded against in every possible way. Our method of machine counting, the amount of square feet marked on each bundle, the thoroughness of our checking and shipping systems, make it almost impossible that anything should go wrong.

ALL OUR FLOORING IS SHIPPED FROM CHICAGO

Please do not fail to give size, thickness, width and grade wanted. We carefully guard against mistakes and we request you, therefore, to help us. Guard against errors yourself by being sure to mention size, catalogue numbers, and thicknesses where necessary, writing out your order as completely as possible.

Hardwood floors are healthful, handsome and economical. With modern appliances are easily kept clean and the natural beauty of the wood retained. Are moderate in price, and when used in connection with rugs, give a very handsome effect in the furnishing of the modern home.

Our flooring is run with a polished surface, tongued and grooved matched ends, so that the question of laying and finishing a hardwood floor is now reduced to a minimum. As it is end matched, any lengths, however short, can be utilized, and the floor laid as substantially as though in one piece.

The 3/4-inch dressed and matched flooring takes the place of the old-fashioned thick soft wood flooring; is cheaper in price, easier laid and wears for all time.

But the special feature of the 3/4-inch flooring is its adaptability in covering old floors, doing away with the soft floors and carpets and giving a strictly "hygienic" floor, attractive, beautiful, lasting and finished in the natural wood.

The hardwood floor is a permanent sanitary improvement to your home which will always be a source of comfort to you and your guests. As your carpets wear out, replace with hardwood floors.

The component parts of a fine floor are good material and good workmanship. Good workmanship is utterly thrown away if the material is not good.

In figuring flooring the question of thickness should not be considered. For instance, if it requires 200 feet of flooring for one of your rooms, you should order 200 feet regardless of whether you desire 3/4-inch or 13/16-inch. We give you the benefit of the thinner stock in a lower price per 100 feet which represents only the difference in the cost of the lumber itself as the expense of machining and handling is identically the same, as we bestow as much care on our thin flooring as on the other thickness.

Flooring is figured on the basis of the ripping width of the lumber from which it is machined, commercially known as strip count, and all the flooring listed on this page is sold that way by us.

It takes 4-inch lumber to make 13/16x3 1/4-inch face
3-inch lumber to make 13/16x2 1/4-inch face
2 3/4-inch lumber to make 13/16x2-inch face
2 1/2-inch lumber to make 3/4x2-inch face
2-inch lumber to make 3/4x1 1/2-inch and 13/16x1 1/2-inch face

This difference or waste in working should be added to the square feet measurements of your floor space which is one-fourth of 25% on the 13/16x3 1/4-inch face and 3/4x2-inch face; one-third or 33 1/3% on the 13/16x2 1/4-inch and 2 3/4-inch face and 3/4x1 1/2-inch face, and 3/4 or 37 1/2% on the 13/16x2-inch face. This will explain why it is more economical to use 13/16x3 1/4-inch and 3/4x2-inch if price per 100 or 1,000 feet is the same. This is the actual difference between square feet and surface feet, irrespective of thickness as explained above, and if you are told that it requires more, such allegations are misleading and made with the sole object in view of supplying less than the required square feet quantity in order to quote a lower price per 100 or 1,000 feet, thus offering a fictitious value.

WE GIVE YOU ACTUAL SQUARE FEET MEASURE.

Example—If you want 3/4x1 1/2-inch face flooring for a room 10 feet one way and 12 feet the other you require 160 surface feet as this room contains 120 square feet with one-third added makes the 160 feet you should order, but you would only require 150 feet of the 3/4x2-inch stock to which only 25% or one-fourth need be added.

Prices Below are per Hundred Square Feet

Please take pains to order by catalog number, and give thickness, width of face and grade wanted.

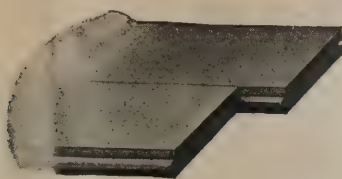
Thickness 3-8 Inch	STEELHARDT'S MAPLE FLOORING				CLEAR PLAIN RED OAK		Selected Common Plain-Sawed RED AND WHITE OAK		Clear RED Oak Quarter-sawed		Clear WHITE Oak Quarter-sawed	
	CLEAR		Selected Common									
NUMBER.....	H 24700	H 24701	H 24702	H 24703	H 24704	H 24705	H 24706	H 24707	H 24708	H 24709	H 24710	H 24711
WIDTH.....	1 1/2 in. face	2 in. face	1 1/2 in. face	2 in. face	1 1/2 in. face	2 in. face	1 1/2 in. face	2 in. face	1 1/2 in. face	2 in. face	1 1/2 in. face	2 in. face
CLEAR.....	\$2.95	\$3.00	\$2.15	\$2.16	\$4.10	\$4.12	\$2.94	\$3.02	\$6.10	\$6.15	\$6.40	\$6.50
SELECTS.....												

Thickness 13-16 Inch	CLEAR PLAIN-SAWED RED OAK FLOORING				SELECTED COMMON PLAIN-SAWED RED AND WHITE OAK			Clear RED Oak Quarter-Sawed		Clear WHITE Oak Quarter-Sawed		
NUMBER.....	H 24720	H 24721	H 24722	H 24723	H 24724	H 24725	H 24726	H 24727	H 24728	H 24729	H 24730	H 24731
WIDTH.....	1 1/2 in. face	2 in. face	2 1/4 in. face	1 1/2 in. face	2 in. face	2 1/4 in. face	1 1/2 in. face	2 in. face	2 1/4 in. face	1 1/2 in. face	2 in. face	2 1/4 in. face
CLEAR.....	\$5.80	\$6.00	\$5.75	\$4.35	\$4.50	\$4.25	\$9.00	\$9.05	\$8.90	\$9.55	\$9.65	\$9.60
SELECTS.....												

Thickness 13-16 Inch	STEELHARDT'S "IRONWEAR" ROCK MAPLE FLOORING								YELLOW PINE FLOORING			
	13-16—CLEAR—13-16				13-16—SELECTED COMMON—13-16				Plain-Sawed Clear		1/4-Sawn Clear	
NUMBER.....	H 24740	H 24741	H 24742	H 24743	H 24744	H 24745	H 24746	H 24747	H 24748	H 24749	H 24750	H 24751
WIDTH.....	1 1/2 in. face	2 1/4 in. face	3 1/4 in. face	1 1/2 in. face	2 in. face	2 1/4 in. face	3 1/4 in. face	2 1/4 in. face	3 1/4 in. face	2 1/4 in. face	3 1/4 in. face	3 1/4 in. face
CLEAR.....	\$4.15	\$4.28	\$3.90	\$3.50	\$3.65	\$3.70	\$3.60	\$	\$	\$3.58	\$3.62	\$4.55
SELECTS.....												\$4.30
H 24753—FACTORY COMMON—13-16 inch thick—A CHEAP SERVICEABLE FLOOR.....									\$2.75		\$3.05	

We Sell Only Such Lumber as is Listed in This Catalogue.

Lakeside Gum Flooring.



Comes in two grades, as follows:

Clear Grade: Allowing no defects of any kind except bright sap.

Select Grade: Which may contain defects that can be cut out and not waste more than one-tenth of any one piece, and also may have slight imperfections in workmanship.

In ordering Lakeside Gum Flooring please note that $2\frac{1}{4}$ inch face is figured as 3 inches; $3\frac{1}{4}$ inch face is figured as 4 inches; $5\frac{1}{4}$ inch face is figured as 6 inches.

Hence it will be necessary to cover the required space, to increase the amount you order thus: on $2\frac{1}{4}$ inch, increase 25 per cent; on $3\frac{1}{4}$ inch, increase 20 per cent; on $5\frac{1}{4}$ inch, increase $12\frac{1}{2}$ per cent. Then allow a few feet additional for possible waste and to be sure to have enough for the job.

No.	Grade.	Thickness.	Size.	Price per 100 ft.
HF 24754	—Clear	$\frac{1}{8}$ in.	$2\frac{1}{4}$ in.	\$3.48
HF 24755	—Select	$\frac{1}{8}$ in.	$2\frac{1}{4}$ in.	3.00
HF 24756	—Clear	$\frac{1}{8}$ in.	$3\frac{1}{4}$ in.	3.49
HF 24757	—Select	$\frac{1}{8}$ in.	$3\frac{1}{4}$ in.	3.00
HF 24758	—Clear	$\frac{1}{8}$ in.	$5\frac{1}{4}$ in.	3.60
HF 24759	—Select	$\frac{1}{8}$ in.	$5\frac{1}{4}$ in.	3.13

Shipping weight 200 lbs. per 100 ft.

Lakeside Gum Siding.

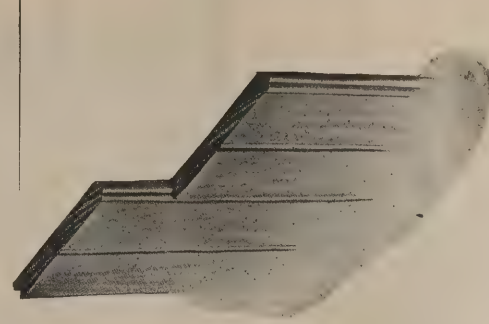


Compare our prices for Lakeside Bevel Siding with prices you have been paying, and see if patronizing us will not save you enough money to make it worth while. If there is a twenty-five per cent saving, or more, that goes into your pocket. Lakeside Gum Siding if properly laid is excellent for its purpose, and is certainly less expensive than pine or poplar siding.

No.	Grade.	Grade Size.	Worked To Thickness.	Price per 100 ft.
HF 24760	—Clear	4 in.	$3\frac{1}{2}$ in. $\frac{1}{2}$ in.	\$1.92
HF 24761	—Select	5 in.	$3\frac{1}{2}$ in. $\frac{1}{2}$ in.	1.63
HF 24762	—Clear	5 in.	$4\frac{1}{2}$ in. $\frac{1}{2}$ in.	2.04
HF 24763	—Select	5 in.	$4\frac{1}{2}$ in. $\frac{1}{2}$ in.	1.74
HF 24764	—Clear	6 in.	$5\frac{1}{2}$ in. $\frac{1}{2}$ in.	2.16
HF 24765	—Select	6 in.	$5\frac{1}{2}$ in. $\frac{1}{2}$ in.	1.86

Shipping weight 90 lbs. per 100 ft.

Lakeside Gum Ceiling.



Note that our prices are so much less than you are paying for white pine ceiling as to make it an object for you to consider whether the Gum Ceiling is not the better for you to use. The Gum Ceiling is smooth, close grained and dark in color. It is fine for an oil finish. Our Lakeside Gum Ceiling is the choice, air dried stock, machined and matched accurately. It comes in one size and in the two grades, clear and select, the clear grade being slightly higher in price because it is the more perfect material. Select Grade may have some defects which are not allowed in the clear grade.

No.	Grade.	Grade Size.	Worked To Thickness.	Price per 100 ft.
HF 24766	—Clear	4 in.	$3\frac{1}{4}$ in. $\frac{3}{8}$ in.	\$2.04
HF 24767	—Select	4 in.	$3\frac{1}{4}$ in. $\frac{3}{8}$ in.	1.80

Shipping weight 90 lbs. per 100 ft.

Lakeside Gum Flooring, Siding and Ceiling

Cheaper than White Pine or Poplar.

There are sections of the country where Gum has been a favorite lumber for many building purposes, and its use is gradually extending into all localities as its value becomes known.

Gum is an unusually close grained wood, very hard, and maintains a smooth surface. The grain of the wood does not raise, hence no matter how long it is in use it retains its smoothness. Gum is of a dark color that takes a beautiful finish.

The Gum wood products sold by us are the best to be had anywhere, in selection, workmanship and finish.

Our Lakeside Gum Flooring, Siding and Ceiling are perfectly machined by experts after the lumber has been kiln dried, bone dry, and are full thickness and carefully graded, but are not sorted for color. Prices are for random lengths, 8 to 16 feet, and specific lengths cannot be furnished.

While our Lakeside line of Gum products is the best on the market, we do not guarantee it not to warp. It is essential to lay Gum wood properly to overcome this tendency.

All our Gum products, listed on this page, are shipped direct from factory in eastern Iowa. Its cheapness at our quotations recommends it to all contractors, builders and carpenters for many purposes.

Lakeside Gum Finishing Lumber.

Air dried, planed on two sides. Suitable for outside and inside uses. Shipped direct to customers from factory in eastern Iowa. You can save freight by including all of this product you need in your car or shipment with mill work that comes from the same mill. Note the two grades and the very low quotations:

Price List of Gum Finish Lumber

Cat. Nos.	Size	Price per 1,000 ft. Board Measure.
HF 24803—1	x 3 Clear	\$30.00
HF 24804—1	x 4 Clear	30.00
HF 24805—1	x 5 Clear	33.00
HF 24806—1	x 6 Clear	33.00
HF 24808—1	x 8 Clear	33.00
HF 24810—1	x 10 Clear	33.00
HF 24812—1	x 12 Clear	35.00
HF 24814—1	x 14 Clear	37.40
HF 24815—1	x 15 Clear	37.40
HF 24816—1	x 16 Clear	37.40
HF 24903— $1\frac{1}{8}$	x 3 Clear	32.20
HF 24904— $1\frac{1}{8}$	x 4 Clear	32.20
HF 24905— $1\frac{1}{8}$	x 5 Clear	35.75
HF 24906— $1\frac{1}{8}$	x 6 Clear	35.75
HF 24908— $1\frac{1}{8}$	x 8 Clear	35.75
HF 24910— $1\frac{1}{8}$	x 10 Clear	35.75
HF 24912— $1\frac{1}{8}$	x 12 Clear	39.50

Cat. Nos.	Size	Price per 1,000 ft. Board Measure.
HF 24914— $1\frac{1}{8}$	x 14 Clear	\$42.00
HF 24915— $1\frac{1}{8}$	x 15 Clear	42.00
HF 24916— $1\frac{1}{8}$	x 16 Clear	42.00
HF 24923—1	x 3 Select	26.50
HF 24924—1	x 4 Select	26.50
HF 24925—1	x 5 Select	29.70
HF 24926—1	x 6 Select	29.70
HF 24928—1	x 8 Select	29.70
HF 24930—1	x 10 Select	29.70
HF 24932—1	x 12 Select	32.00
HF 24943— $1\frac{1}{8}$	x 3 Select	29.50
HF 24944— $1\frac{1}{8}$	x 4 Select	29.50
HF 24945— $1\frac{1}{8}$	x 5 Select	32.50
HF 24946— $1\frac{1}{8}$	x 6 Select	32.50
HF 24948— $1\frac{1}{8}$	x 8 Select	32.50
HF 24950— $1\frac{1}{8}$	x 10 Select	32.50
HF 24952— $1\frac{1}{8}$	x 12 Select	35.00

Finishing Lumber

SIDING AND FINISH LUMBER

We are in a position to furnish ceiling, siding and finish lumber, both in Cypress and plain Red Oak, which we ship direct from factory in Iowa. You will find it economical to order same shipped in the car with your mill work, as it will save on freight.

Prices are for 1,000 feet, board measure. (Board measure is 12 inches square.)

Yellow Pine Finish B Grade and Better

Cat. Nos.	Size	Price per 1,000 feet.
HF 24804	Size 13/16 x 4	\$33.00
HF 24805	Size 13/16 x 5	38.00
HF 24806	Size 13/16 x 6	35.50
HF 24808	Size 13/16 x 8	35.50
HF 24810	Size 13/16 x 10	38.00
HF 24812	Size 13/16 x 12	38.00
HF 24824	Size 1 1/4 x 4	40.30
HF 24826	Size 1 1/4 x 6	40.30
HF 24828	Size 1 1/4 x 8	40.30
HF 24830	Size 1 1/4 x 10	40.30
HF 24832	Size 1 1/4 x 12	41.50
HF 24854	Size 1 1/4 x 4	40.30
HF 24856	Size 1 1/4 x 6	40.30
HF 24858	Size 1 1/4 x 8	40.30
HF 24860	Size 1 1/4 x 10	40.30
HF 24862	Size 1 1/4 x 12	41.50
HF 24874	Size 1 1/4 x 4	40.00
HF 24876	Size 1 1/4 x 6	40.00
HF 24878	Size 1 1/4 x 8	41.00
HF 24880	Size 1 1/4 x 10	41.00
HF 24892	Size 1 1/4 x 12	42.50

All finishing lumber will finish from 1/4 to 1/2 inch less than the full inch width measurements listed. Yellow Pine lumber is cut full inch widths at the mills, but after it is air dried and then put through the dry kiln it shrinks more or less, which makes all sizes given a little scant. In passing through the dry kiln Yellow Pine is bound to check a little, especially at the ends; hence we think it advisable to order a little extra to allow for trimming.

YELLOW PINE CEILING.

Price per 1,000 feet, square measure.

Cat. Nos.	Size	Grade	Price
HF 24900	3/4 x 3 1/4	B and Better	\$19.50
HF 24905	3/4 x 3 1/4	No. 1 Common	17.50

B and BETTER GRADE.—The major portion of this grade of lumber must show one face practically free of all defects, but slight imperfections are allowable, such as torn grain, small pin knots, small pitch pockets and pitch streaks, and sap stain and small seasoning checks. This is the highest grade usually furnished for flooring, ceiling and finishing lumber.

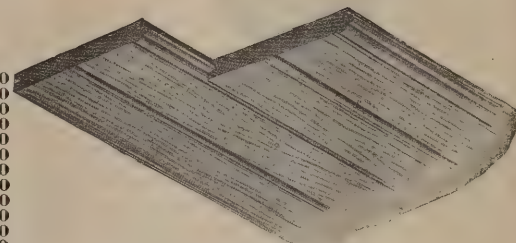
NO. 1 COMMON GRADE. This grade will contain the stock not allowable for B and Better and will contain sap stain, sound knots, pitch streak, pitch pockets, shake, torn grain and seasoning checks.

OAK FINISHING LUMBER.

Cat. Nos.	Plain Red Oak.	Price
HF 25004	Size 13/16 x 4	\$54.00
HF 25006	Size 13/16 x 6	54.00
HF 25008	Size 13/16 x 8	56.30
HF 25010	Size 13/16 x 10	57.50
HF 25012	Size 13/16 x 12	59.50
HF 25014	Size 13/16 x 14	62.00
HF 25024	Size 1 1/4 x 4	59.00
HF 25026	Size 1 1/4 x 6	59.00
HF 25028	Size 1 1/4 x 8	61.30
HF 25030	Size 1 1/4 x 10	62.50
HF 25032	Size 1 1/4 x 12	64.50
HF 25034	Size 1 1/4 x 14	66.00
HF 25044	Size 1 1/4 x 4	59.00
HF 25046	Size 1 1/4 x 6	59.00
HF 25048	Size 1 1/4 x 8	61.30
HF 25050	Size 1 1/4 x 10	62.50
HF 25052	Size 1 1/4 x 12	64.50
HF 25054	Size 1 1/4 x 14	66.00
HF 25064	Size 1 1/4 x 4	61.50
HF 25066	Size 1 1/4 x 6	61.50
HF 25068	Size 1 1/4 x 8	63.80
HF 25070	Size 1 1/4 x 10	65.00
HF 25072	Size 1 1/4 x 12	67.00
HF 25074	Size 1 1/4 x 14	68.50

Cat. Nos.	Quartered Red Oak	Price
HF 25104	Size 13/16 x 4	\$75.60
HF 25106	Size 13/16 x 6	75.60
HF 25108	Size 13/16 x 8	79.00
HF 25110	Size 13/16 x 10	80.00
HF 25112	Size 13/16 x 12	85.00
HF 25124	Size 1 1/4 x 4	81.60
HF 25126	Size 1 1/4 x 6	81.60
HF 25128	Size 1 1/4 x 8	84.00
HF 25130	Size 1 1/4 x 10	85.00
HF 25132	Size 1 1/4 x 12	90.00
HF 25144	Size 1 1/4 x 4	81.60
HF 25146	Size 1 1/4 x 6	81.60
HF 25148	Size 1 1/4 x 8	84.00
HF 25150	Size 1 1/4 x 10	85.00
HF 25152	Size 1 1/4 x 12	90.00
HF 25164	Size 1 1/4 x 4	83.00
HF 25166	Size 1 1/4 x 6	83.00
HF 25168	Size 1 1/4 x 8	86.50
HF 25170	Size 1 1/4 x 10	87.50
HF 25172	Size 1 1/4 x 12	92.50

Cat. Nos.	Quartered White Oak	Price
HF 25204	Size 13/16 x 4	\$95.00
HF 25206	Size 13/16 x 6	95.00
HF 25208	Size 13/16 x 8	97.50
HF 25210	Size 13/16 x 10	100.50
HF 25212	Size 13/16 x 12	110.00
HF 25224	Size 1 1/4 x 4	100.00
HF 25226	Size 1 1/4 x 6	100.00
HF 25228	Size 1 1/4 x 8	102.50
HF 25230	Size 1 1/4 x 10	105.50
HF 25232	Size 1 1/4 x 12	115.00
HF 25244	Size 1 1/4 x 4	100.00
HF 25246	Size 1 1/4 x 6	100.00
HF 25248	Size 1 1/4 x 8	102.50



Yellow Pine Ceiling

Cat. Nos.	Quartered White Oak—Continued	Price
HF 25252	Size 1 1/4 x 10	\$105.50
HF 25262	Size 1 1/4 x 12	115.00
HF 25264	Size 1 1/4 x 4	102.50
HF 25266	Size 1 1/4 x 6	102.50
HF 25268	Size 1 1/4 x 8	105.00
HF 25270	Size 1 1/4 x 10	108.00
HF 25272	Size 1 1/4 x 12	117.50

CYPRESS FINISH.

Cat. Nos.	No. 1 Grade	Price
HF 25304	Size 13/16 x 4	\$48.50
HF 25306	Size 13/16 x 6	51.80
HF 25308	Size 13/16 x 8	50.00
HF 25307	Size 13/16 x 7	51.80
HF 25308	Size 13/16 x 8	48.50
HF 25309	Size 13/16 x 9	51.80
HF 25310	Size 13/16 x 10	50.00
HF 25312	Size 13/16 x 12	51.80

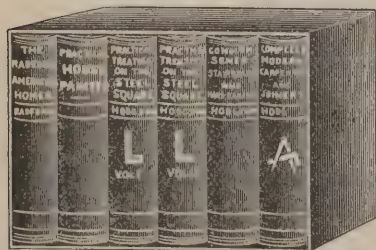
Cat. Nos.	No. 3 Grade	Price
HF 25354	Size 13/16 x 4	\$40.00
HF 25355	Size 13/16 x 6	45.00
HF 25356	Size 13/16 x 8	43.50
HF 25357	Size 13/16 x 7	45.00
HF 25358	Size 13/16 x 9	42.50
HF 25359	Size 13/16 x 10	45.00
HF 25360	Size 13/16 x 12	43.50
HF 25362	Size 13/16 x 12	45.50

Cat. Nos.	CYPRESS FLOORING.	Price
HF 25400	Size 13/16 x 2 1/4, No. 1 Grade	\$49.50
HF 25405	Size 13/16 x 2 1/4, No. 2 Grade	47.00
HF 25410	Size 13/16 x 2 1/4, No. 3 Grade	43.00
HF 25415	Size 13/16 x 3 1/4, No. 1 Grade	49.00
HF 25420	Size 13/16 x 3 1/4, No. 2 Grade	46.00
HF 25425	Size 13/16 x 3 1/4, No. 3 Grade	41.50

Cat. Nos.	CYPRESS CEILING.	Price
HF 25450	Size 3 1/4 x 3 1/4, No. 1 Grade	\$25.75
HF 25455	Size 3 1/4 x 3 1/4, No. 2 Grade	24.75
HF 25460	Size 3 1/4 x 3 1/4, No. 3 Grade	20.00

Cat. Nos.	CYPRESS SIDING.	Price
HF 25500	Size 4 x 4, No. 1 Grade	\$23.50
HF 25505	Size 4 x 4, No. 2 Grade	21.00
HF 25515	Size 4 x 4, No. 3 Grade	17.50
HF 25520	Size 6 x 6, No. 1 Grade	25.00
HF 25525	Size 6 x 6, No. 2 Grade	23.00
HF 25530	Size 6 x 6, No. 3 Grade	19.50

Guide Books of Architecture and Carpentry



Hodgson's Library for Carpenters and Builders

6 Volumes

By Fred T. Hodgson, Architect

6 Big Books \$3.20 for

This is the finest library of practical reference books ever completed for The Home Builder, Carpenter, Contractor, Lumberman or Mechanic. Each book is substantially bound in cloth, printed on good paper with illustrations in half tones and zinc etchings. Volumes in this Library are "AMERICAN HOMES," by Radford, 100 houses illustrated. "MODERN CARPENTRY," by Hodgson. Also contains perspective views and floor plans of 25 low priced houses.

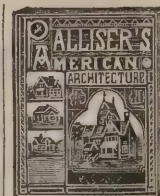
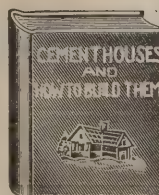
"PRACTICAL TREATISE ON THE STEEL SQUARE," Vol. I, Hodgson.
"PRACTICAL TREATISE ON THE STEEL SQUARE," Vol. II, Hodgson. These two books contain plans for 100 houses.

"PRACTICAL HOUSE PAINTER."
"COMMON SENSE HAND RAILING AND STAIR BUILDING." These six volumes published to sell for \$6.50. Weight, per set, 6 1/2 lbs. Bound in cloth.

M 3250—Our price \$3.20

If single copies are wanted or a full description of each volume, see Nos. M 3375, M 3555, M 3813, M 3828, M 3829, M 8105.

M 3390—Illustrated details of construction, standard specifications for cement, standard specifications for concrete blocks; general information concerning waterproofing, coloring, paving, reinforcing foundations, walls, steps, sewer pipe, tile, chimneys, porches, floors, use of concrete on the farm, etc. Perspective views and floor plans of concrete block and cement plaster houses. Bound in cloth, size, 7 1/2 x 10 1/2 in. (Postage, 13c.)
Our price\$0c



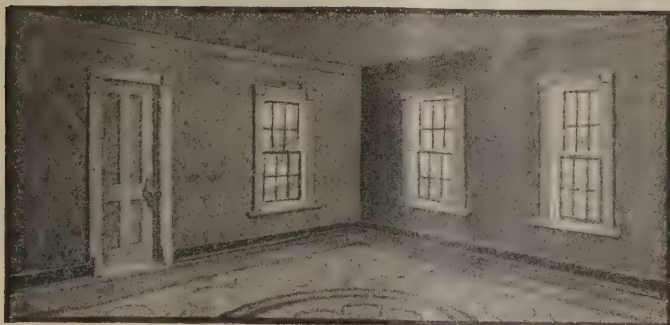
M 3405—Or, Every Man a Complete Builder. By Palliser. This work is size 11x14, containing 9x12 plate pages, giving plans, elevations, perspective, views, descriptions, actual cost of construction. Houses for all sections of the country, and costing from \$300 to \$4,500; also barns, stables, school houses, town halls, churches, and other public buildings, together with specifications, form of contract, etc., etc. Paper cover.
Our price (postage, 10c).....75c
Bound in cloth. Our price (postage, 16c)....\$1.50

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Stair Building and Hand Railing. Practical Uses of Steel Square. Vol. II.

Old Rooms Made Over New and Modern for a Moderate Outlay

It is not only in building new houses that the modern room trim can be had, but also those who desire to modernize their old home, or See other illustration for improvement.



Room before Remodeling.

Look at the contrast between the two rooms here illustrated. In reality, it is the same room, the one on the left showing it in the old-fashioned, gloomy way, with bare walls, bare ceiling, 12-light windows, old style window and door casings and door, and carpeted floor.

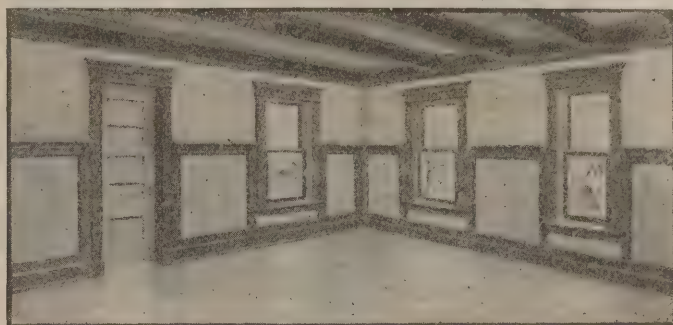
The one on the right shows the room after it is remodeled and modernized; such a room as delights the housewife and her family and friends. Note the beamed ceiling, the plaster panel wainscot, the plate rail, the two-light windows, modern door, door and window casings and polished hardwood floor, ready for a large central rug or several smaller rugs at intervals.

This transformation is possible in every home. The expense that has heretofore been prohibitive by the old method of buying mill work is now reduced by our method to a point that makes it worth your while to consider the alteration in the improvement of your own home. It will cost some money, of course, but if you intend to live in the house, or if you desire to sell the house, in either case the change is worth all it costs, in satisfaction and in appreciation of the property. And by buying the material of us the cost will be reduced to the minimum.

If you care to write us and tell us the size and height of your living room, dining room, or whatever other room or rooms you might like to improve in this way, we will tell you to a cent just what it will cost for material. Then you can have it done or not, as you please,

a single room in it, or several rooms, can do so now by taking advantage of our simple offer.

Beam Ceiling and Wall Cornice for 12x12 Room for only \$5.04



Same Room Complete with Beamed Ceiling and Modern Trim.

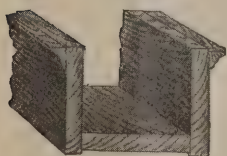
without the information we give you obligating you to do so. In addition to size and height of room, state how many windows and doors, and their sizes; also state whether you want all the improvements here shown—beamed ceiling, hardwood floor, plate rail, stile and base, window casing and 2-light windows, door casing and doors—and as far as possible select your choice of patterns of such as you want from this catalogue. If you wish us to figure on but part of this improvement; if, for instance, you desire to use your old door frames state what you wish us to submit figures on, and we will do so very carefully and accurately. We will put our time against yours in this matter, if you permit us to, and we think the result will be many thousand beautified and modernized homes throughout the country, and, in consequence, lots of business for us in supplying the material.

You will be surprised when we tell you that only \$5.04 is needed to buy of us all the beamed ceiling and wall cornice for a room 12x12 ft. This has often been sold locally as high as \$50.00 to \$75.00. It seems that beamed ceiling has heretofore been one of the "golden opportunities" that some have not hesitated to improve to the utmost as to the price asked, and that it is left to us to get the cost down where we can all afford it. The quality of the material we furnish is fine quality, yellow pine or oak. State which you would prefer. Send us a rough sketch or plan of your room, tell us how you would like it improved, and whether in yellow pine or oak, and let us submit you an itemized estimate, free of charge.

Details and Prices of Beamed Ceiling and Wall Trim

Wall Cornice.

Narrow Beam.



4½ in. drop.
6 in. wide.

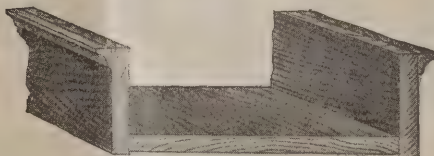
HF 27961—Yellow Pine.

Price per lineal ft. 8c

HF 27962—Plain Oak.

Price per lineal ft. 14c

Wide Beam.



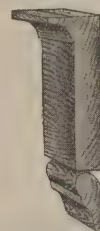
4½ in. drop.
13 in. wide.

HF 27965—Yellow Pine.

Price per lineal ft. 12c

HF 27966—Plain Oak.

Price per lineal ft. 21c

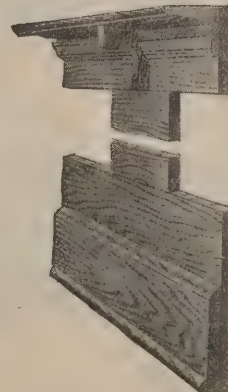


HF 27970—Yellow Pine.

Price per ft. 4½c

HF 27971—Plain Oak.

Price per ft. 7c



Cap

Stile

Base



Aurora, St. Louis Co., Minn., May 26, 1908.
Montgomery Ward & Co.

Dear Sirs: I enclose a view of a residence built by myself in Aurora. The doors, porch posts and all inside finishing material, amounting to nearly four hundred dollars were bought from Montgomery Ward & Co. Six of the inside doors were made to order. Everything was first-class and satisfactory. In the past year I have sent your house nearly one thousand dollars, and have my first complaint to make. You are at liberty to use my name.

Yours truly,

WM. TOMSON, Box 622.

HF 27972—Cap, Yellow Pine.

Price per ft. 7c

HF 27973—Cap, Oak.

Price per ft. 11c

HF 27974—Stile, Yellow Pine.

Price 2¼c

HF 27975—Stile, Oak. Price. 3½c

HF 27976—Base, Yellow Pine.

Price per ft. 6c

H 27977—Base, Oak.

Price per ft. 9c

Shipped direct from factory in Eastern Iowa. Beam Ceilings shipped knocked down.

GRILLES OR FRET WORK

Note that our Grilles come in oak, birch, pine or cypress. Kindly specify which wood will best suit your purposes. Unless otherwise directed we ship in oak, which is the wood we recommend as the best for general use.



This illustration shows construction of our patent adjustable grilles, which are made in three separate sections and connected by balls and dowels.

You can hang drapery of any fabric or color from our Grilles if you desire to, and in some cases this is a very effective way of improving a room. However, as a rule they are used without drapery, and are complete in themselves without it.

Anyone who can handle a hammer or screw driver can set these grilles up in place as there are no shavings to be taken off or fitting to be done, simply set up the two side sections and then the center and adjust ball and dowel on each side of center section. These patent grilles will not break or crack in the scroll work. No matter which way the opening may give after the grille is set up; the grille will also give and will not break or crack scrolls owing to the adjustment of balls and dowels on each side of center section. This is a point one should consider when purchasing grilles.

It takes from 10 to 20 days to fill an order for grille work. We can furnish any of our grilles in pine, birch or cypress at the same price.

Stationary grilles are made in oak, pine, birch or cypress and are

made to order, which generally requires from ten to twenty days' time before shipment can be made.

Prices given are per lineal foot, and fractions under one-half foot will be figured one-half foot, for instance, a grille measuring 6 ft. 3 in. will be charged as 6 ft. 6 in. All grilles measuring under 4 ft. will be charged as if 4 ft. long.

Please Note.—Prices given are per lineal foot in any of the native woods, oak, pine, birch or cypress. We ship in oak unless otherwise ordered. We suggest oak, as oak is the best wood for grilles and when finished matches well with yellow pine, cypress or birch.

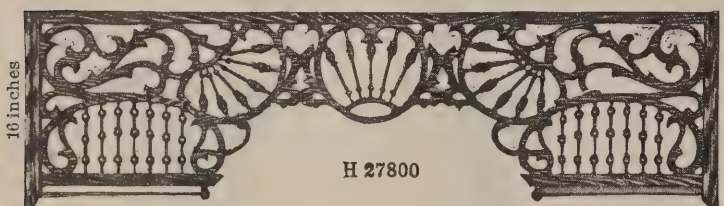
Be sure and send accurate measurements, and for arch grilles give width and height of opening.

In the White—means in the natural wood, without any stain, filler or varnish.

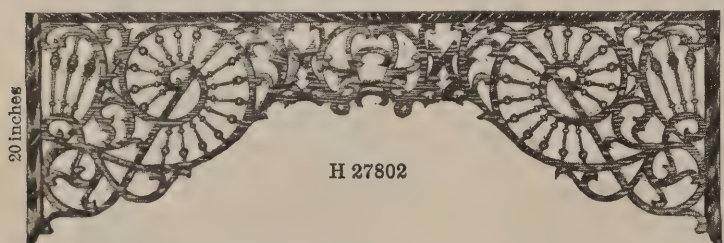
Finished in Varnish—means filled, shellaced and varnished, all ready to set up in place.

Adjustable Grilles

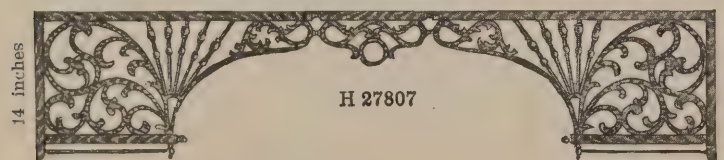
All Grilles are made of 7-8 inch thick lumber, same as other interior trim.



Price per lineal foot, in the White.....\$0.80
Price per lineal foot, finished in Varnish......85



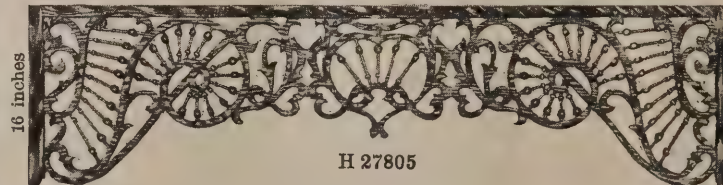
Price per lineal foot, in the White.....\$0.94
Price per lineal foot, finished in Varnish..... 1.06



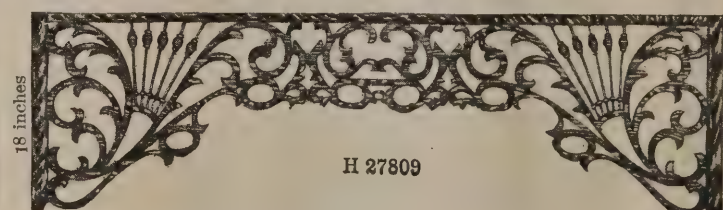
Price per lineal foot, in the White.....\$0.55
Price per lineal foot, finished in Varnish......60



Price per lineal foot, in the White.....\$0.80
Price per lineal foot, finished in Varnish......85



Price per lineal foot, in the White.....\$0.93
Price per lineal foot, finished in Varnish..... 1.05



Price per lineal foot, in the White.....\$0.60
Price per lineal foot, finished in Varnish......68

Goods on this page are shipped from Chicago.

We charge for 4 feet for Grilles smaller than this size.

Special Loose End Grilles

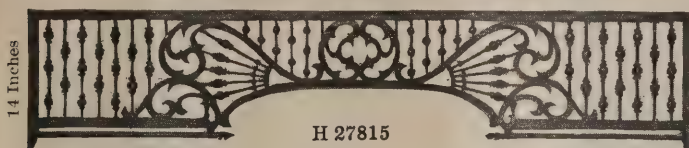
The following four designs are made with loose ends (see design No. H 27811 showing loose end section) so the Grille can be cut down to fit any required length. We furnish these Grilles in any length, but can make immediate shipments in 5 ft., 6 ft., and 7 ft. Grilles in oak, either in the white or finished in varnish. For other sizes, in oak, yellow pine or birch it will require about ten days' time.



H 27811

Cut Showing Loose End.

Price per lineal foot, in the White.....\$0.49
Price per lineal foot, finished in Varnish......55



H 27815

Price per lineal foot, in the White.....\$0.55
Price per lineal foot, finished in Varnish......60



H 27814

Price per lineal foot, in the White.....\$0.45
Price per lineal foot, finished in Varnish......49



H 27820

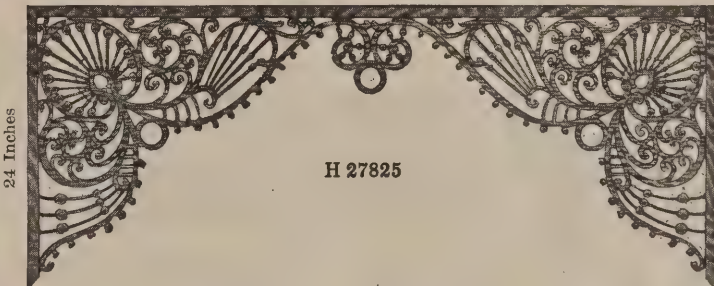
Price per lineal foot, in the White.....\$0.55
Price per lineal foot, finished in Varnish......60

Stationary Grilles



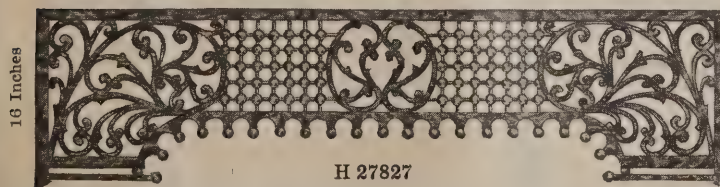
H 27823

Price per lineal foot, in the White.....\$1.10
Price per lineal foot, finished in Varnish..... 1.30



H 27825

Price per lineal foot, in the White.....\$0.97
Price per lineal foot, finished in Varnish..... 1.10



H 27827

Price per lineal foot, in the White.....\$0.80
Price per lineal foot, finished in Varnish......85



H 27829

Price per lineal foot, in the White.....\$0.97
Price per lineal foot, finished in Varnish..... 1.10



H 27831

Price per lineal foot, in the White.....\$0.85
Price per lineal foot, finished in Varnish..... 1.00

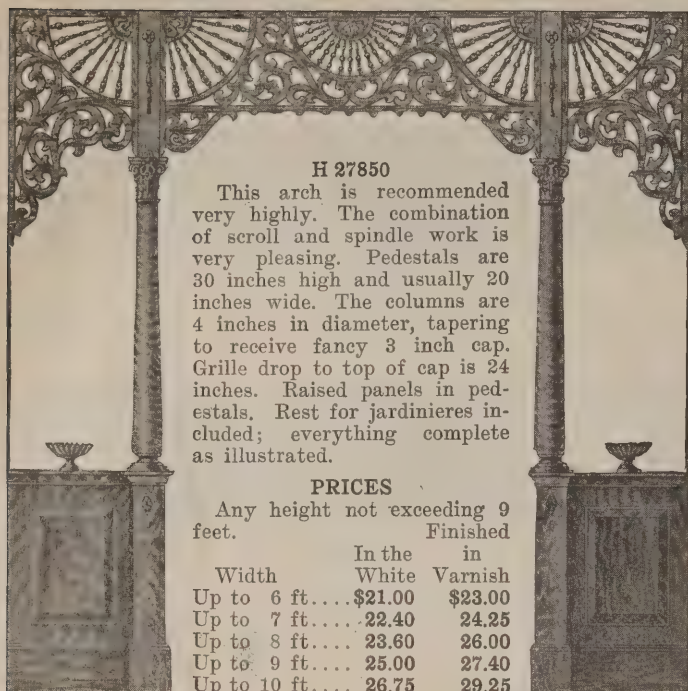


H 27833

Price per lineal foot, in the White.....\$0.80
Price per lineal foot, finished in Varnish......85

Goods on this Page are Shipped from Chicago

Arch Grilles



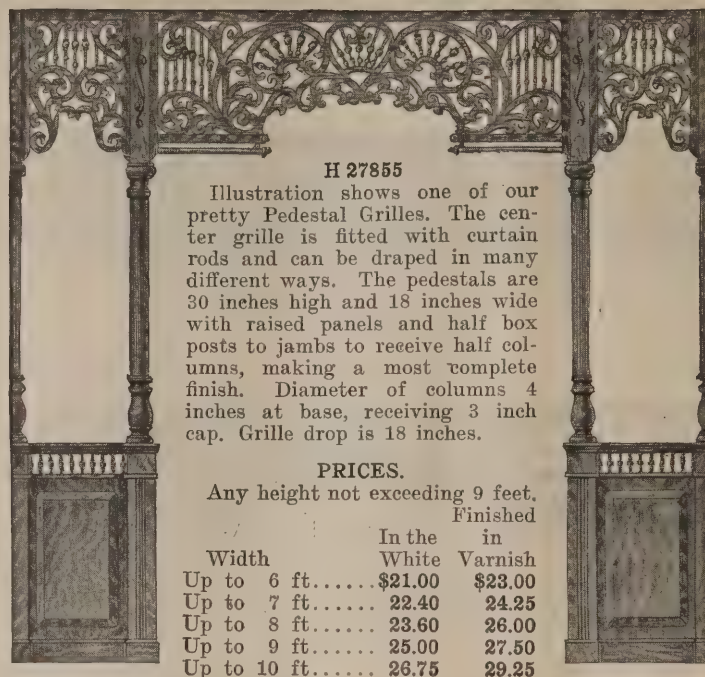
H 27850

This arch is recommended very highly. The combination of scroll and spindle work is very pleasing. Pedestals are 30 inches high and usually 20 inches wide. The columns are 4 inches in diameter, tapering to receive fancy 3 inch cap. Grille drop to top of cap is 24 inches. Raised panels in pedestals. Rest for jardinières included; everything complete as illustrated.

PRICES

Any height not exceeding 9 feet.

Width	In the White	Finished in Varnish
Up to 6 ft....	\$21.00	\$23.00
Up to 7 ft....	22.40	24.25
Up to 8 ft....	23.60	26.00
Up to 9 ft....	25.00	27.40
Up to 10 ft....	26.75	29.25



H 27855

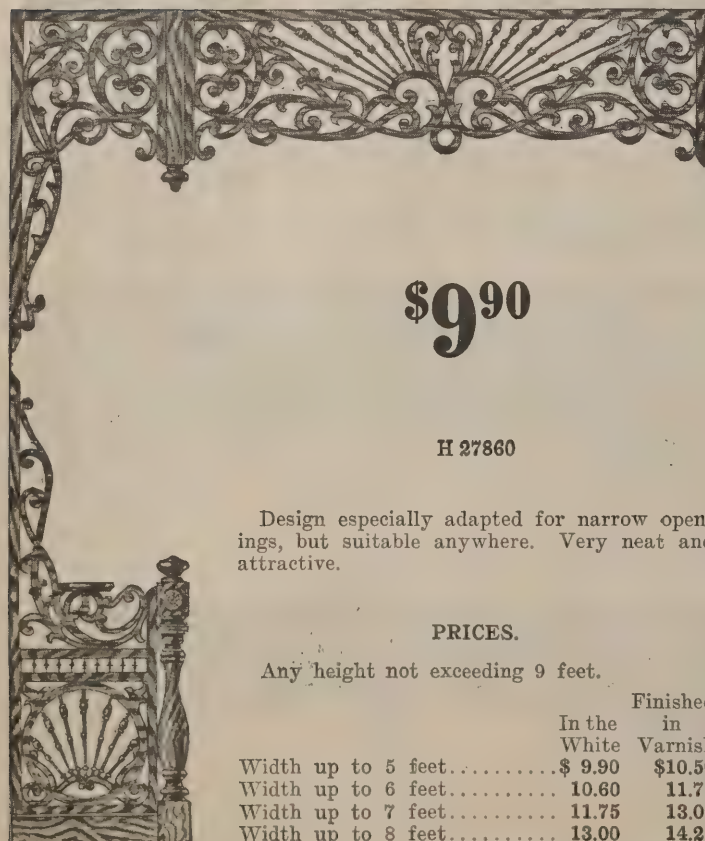
Illustration shows one of our pretty Pedestal Grilles. The center grille is fitted with curtain rods and can be draped in many different ways. The pedestals are 30 inches high and 18 inches wide with raised panels and half box posts to jambs to receive half columns, making a most complete finish. Diameter of columns 4 inches at base, receiving 3 inch cap. Grille drop is 18 inches.

PRICES.

Any height not exceeding 9 feet.

Width	In the White	Finished in Varnish
Up to 6 ft.....	\$21.00	\$23.00
Up to 7 ft.....	22.40	24.25
Up to 8 ft.....	23.60	26.00
Up to 9 ft.....	25.00	27.50
Up to 10 ft.....	26.75	29.25

Be Sure and Give Exact Width and Height of Openings for Arch Grilles.



\$9⁹⁰

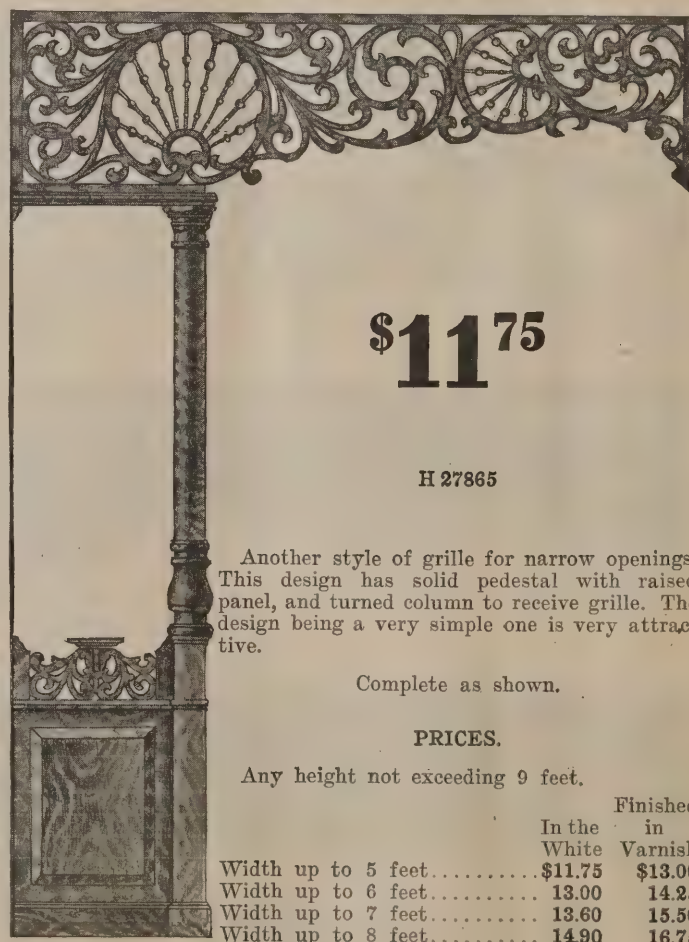
H 27860

Design especially adapted for narrow openings, but suitable anywhere. Very neat and attractive.

PRICES.

Any height not exceeding 9 feet.

Width	In the White	Finished in Varnish
Width up to 5 feet.....	\$ 9.90	\$10.50
Width up to 6 feet.....	10.60	11.75
Width up to 7 feet.....	11.75	13.00
Width up to 8 feet.....	13.00	14.25



\$11⁷⁵

H 27865

Another style of grille for narrow openings. This design has solid pedestal with raised panel, and turned column to receive grille. The design being a very simple one is very attractive.

Complete as shown.

PRICES.

Any height not exceeding 9 feet.

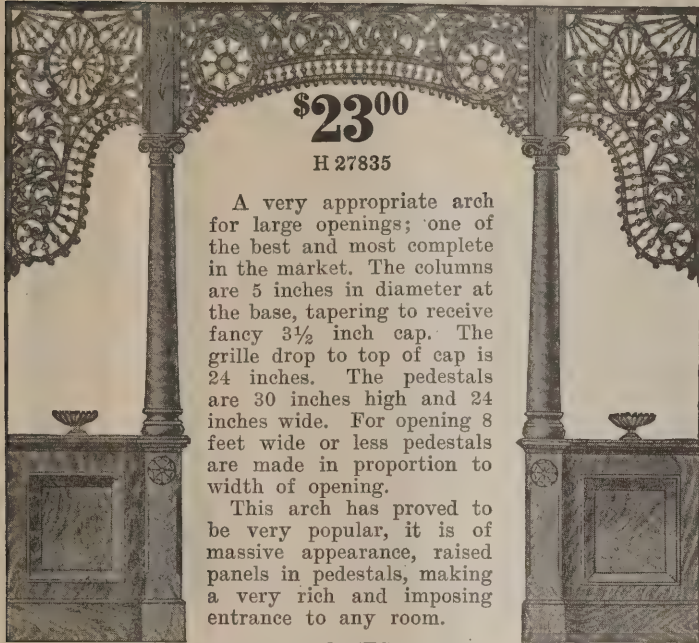
Width	In the White	Finished in Varnish
Width up to 5 feet.....	\$11.75	\$13.00
Width up to 6 feet.....	13.00	14.25
Width up to 7 feet.....	13.60	15.50
Width up to 8 feet.....	14.90	16.75

Goods on this page are shipped from Chicago

Decorate
Your Home

Arch Grilles

Will Make It
Attractive



\$23⁰⁰

H 27835

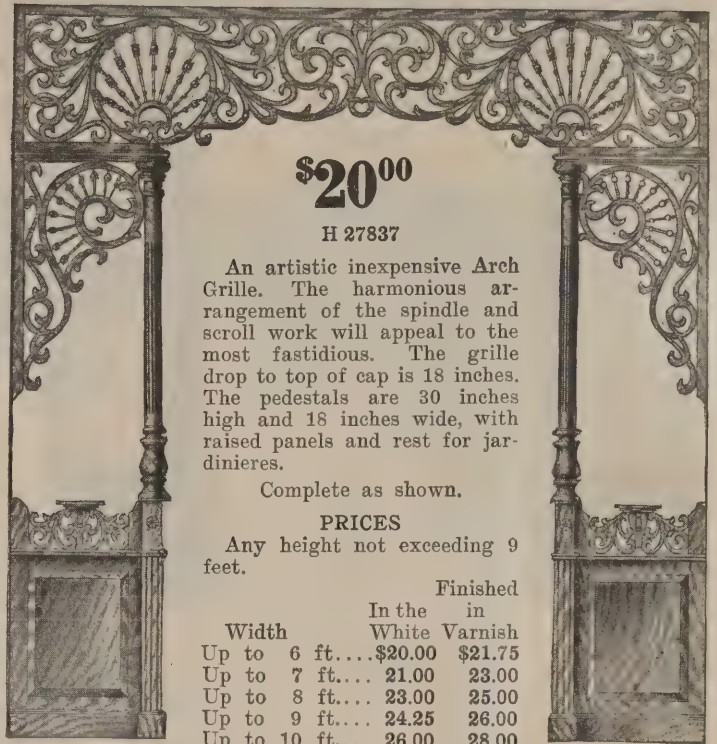
A very appropriate arch for large openings; one of the best and most complete in the market. The columns are 5 inches in diameter at the base, tapering to receive fancy 3½ inch cap. The grille drop to top of cap is 24 inches. The pedestals are 30 inches high and 24 inches wide. For opening 8 feet wide or less pedestals are made in proportion to width of opening.

This arch has proved to be very popular, it is of massive appearance, raised panels in pedestals, making a very rich and imposing entrance to any room.

PRICES

Width	Any height not exceeding 9 feet.	In the White	Finished in Varnish
Up to 6 ft.....		\$23.00	\$25.50
Up to 7 ft.....		24.25	26.75
Up to 8 ft.....		25.50	28.00
Up to 9 ft.....		27.50	30.00
Up to 10 ft.....		29.25	32.25

For larger openings write for prices.



\$20⁰⁰

H 27837

An artistic inexpensive Arch Grille. The harmonious arrangement of the spindle and scroll work will appeal to the most fastidious. The grille drop to top of cap is 18 inches. The pedestals are 30 inches high and 18 inches wide, with raised panels and rest for jardinieres.

Complete as shown.

PRICES

Any height not exceeding 9 feet.

Width	In the White	Finished in Varnish
Up to 6 ft....	\$20.00	\$21.75
Up to 7 ft....	21.00	23.00
Up to 8 ft....	23.00	25.00
Up to 9 ft....	24.25	26.00
Up to 10 ft....	26.00	28.00

There's a place in many a home where one of our artistic Grilles will add much more in beauty and attractiveness than is represented by the moderate cost. To form an alcove across one end of a long room, for a library or for the piano room, or for a den, is a very satisfactory way of using this beautiful ornamental work. Its cost is but little more than one substantial article of furniture or a fine painting, and it serves to furnish and decorate an entire home much more effectively than does any other article you can put into it. City homes have them, and we make it possible for our friends in suburban and country homes to enjoy the same permanent benefits, at even less prices than the city dweller can secure them for. After you once have one of our beautiful Grilles erected in your room you would not have it removed for twice its cost. Remember, our prices are lowest, and our attractive designs the very newest and latest.



\$14⁷⁵

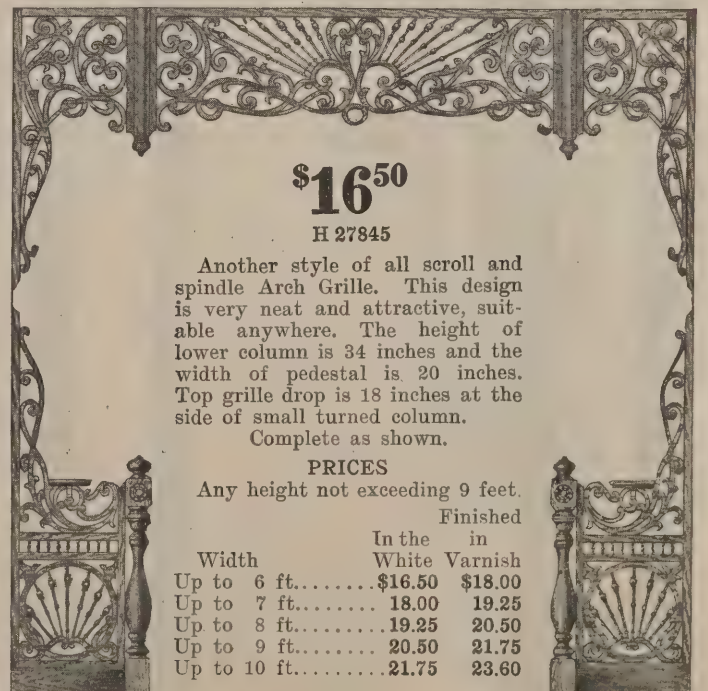
H 27840

Illustration shows all scroll and spindle Arch Grille. This grille when set up in opening is very pleasing and one of the best of its kind for a low price double column arch grille. The columns are 4 inches diameter at swell and receiving 3 inch cap. Pedestals are 30 inches high and 18 inches wide. Grille drop is 18 inches. Everything complete as shown.

PRICES

Any height not exceeding 9 feet.

Width	In the White	Finished in Varnish
Up to 6 ft.....	\$14.75	\$16.00
Up to 7 ft.....	16.00	17.40
Up to 8 ft.....	17.50	18.65
Up to 9 ft.....	18.65	19.90
Up to 10 ft.....	20.00	21.75



\$16⁵⁰

H 27845

Another style of all scroll and spindle Arch Grille. This design is very neat and attractive, suitable anywhere. The height of lower column is 34 inches and the width of pedestal is 20 inches. Top grille drop is 18 inches at the side of small turned column.

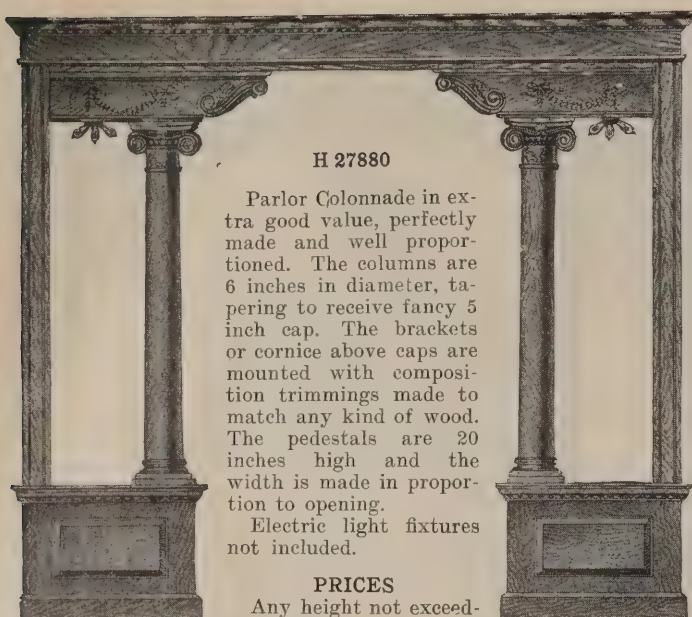
Complete as shown.

PRICES

Any height not exceeding 9 feet.

Width	In the White	Finished in Varnish
Up to 6 ft.....	\$16.50	\$18.00
Up to 7 ft.....	18.00	19.25
Up to 8 ft.....	19.25	20.50
Up to 9 ft.....	20.50	21.75
Up to 10 ft.....	21.75	23.60

Colonnades



H 27880

Parlor Colonnade in extra good value, perfectly made and well proportioned. The columns are 6 inches in diameter, tapering to receive fancy 5 inch cap. The brackets or cornice above caps are mounted with composition trimmings made to match any kind of wood. The pedestals are 20 inches high and the width is made in proportion to opening.

Electric light fixtures not included.

PRICES

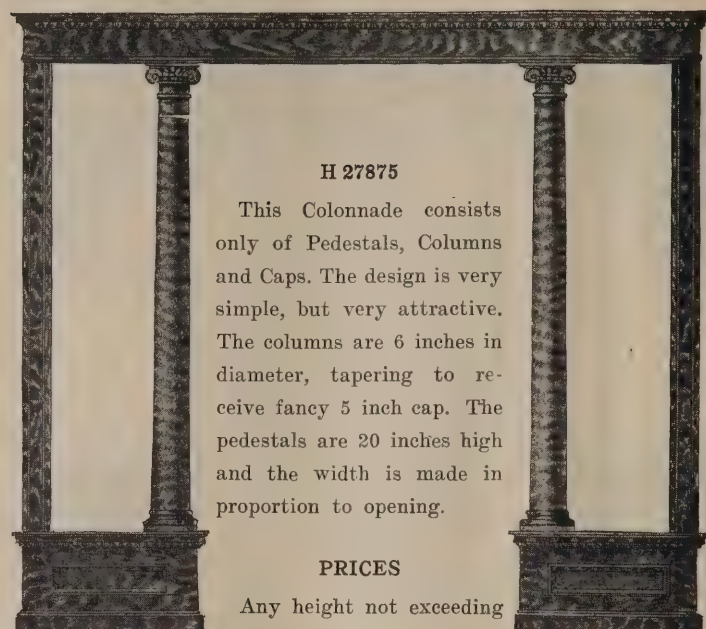
Any height not exceeding 9 feet.

\$25⁵⁰

Width

Finished
In the in
White Varnish

Up to 6 ft.	\$25.50	\$28.00
Up to 7 ft.	26.75	29.25
Up to 8 ft.	28.00	30.50
Up to 9 ft.	29.25	31.75
Up to 10 ft.	30.50	33.00



H 27875

This Colonnade consists only of Pedestals, Columns and Caps. The design is very simple, but very attractive. The columns are 6 inches in diameter, tapering to receive fancy 5 inch cap. The pedestals are 20 inches high and the width is made in proportion to opening.

PRICES

Any height not exceeding 9 feet.

\$23⁰⁰

Width

Finished
In the in
White Varnish

Up to 6 ft.	\$23.00	\$25.00
Up to 7 ft.	23.60	25.50
Up to 8 ft.	24.00	26.00
Up to 9 ft.	25.40	26.35
Up to 10 ft.	26.75	28.65

IMPORTANT: Pertaining to These Four Colonnades

Side Casings and Cap Trim are not included. All these Colonnades are made for 5¼-inch jamb, unless otherwise ordered. Please give width of jambs when ordering. Made of oak, pine, birch or woods of equal value.



\$33⁰⁰

H 27870

A very handsome Colonnade. Correct proportions throughout. The columns are 6 inch diameter, tapering to receive fancy cap. The pedestals are 20 inches and the width is made in proportion to opening. Grille drop to top of fancy cap is 24 inches.

PRICES

Any height not exceeding 9 feet.

Width	In the in	White Varnish
Up to 6 ft.	\$33.00	\$36.00
Up to 7 ft.	33.25	36.25
Up to 8 ft.	34.25	37.40
Up to 9 ft.	35.00	38.00
Up to 10 ft.	36.00	38.65



H 27885

This design is very neat for a low priced Colonnade. The columns are 5 inches in diameter, tapering to receive fancy 4 inch cap. The pedestals are 30 inches high and width is made in proportion to opening, including rests for jardinières. Curtain poles and drapery not included.

PRICES

Any height not exceeding 9 feet.

Width	In the in	White Varnish
Up to 6 ft.	\$18.00	\$20.00
To 7 ft.	18.60	20.50
To 8 ft.	19.30	21.00
To 9 ft.	20.50	22.35
To 10 ft.	22.00	23.80

Goods on this page are shipped from Chicago

This New Design

is one of the latest additions to our extensive line. It was selected because of its tasty appearance, its excellent quality and because the price is reasonable.

The Best Colonnade Arch Grille in the Market for the Price Asked

\$18.50

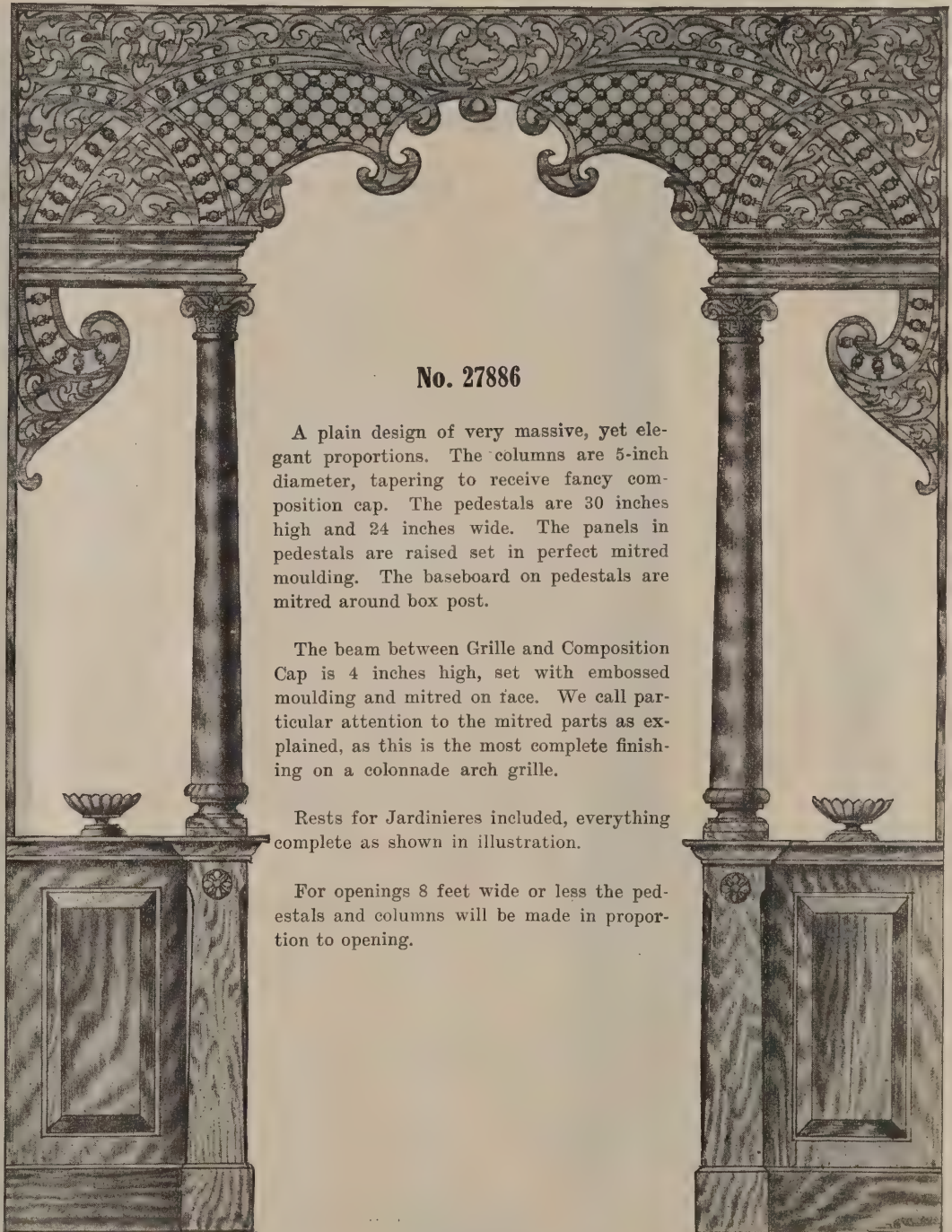
Materials Used

In all our Grilles, Grille Arches and Colonnades are of the best quality. Our grille factory operates their own dry kilns, thus assuring the best possible kiln dried lumber and manufactured for this one purpose only. The machine room is equipped with the best and latest type machines.

First-class mechanics are employed in all departments, therefore we can assure you that when purchasing anything in this line, we are furnishing you with the very best.

We have furnished thousands of homes with our Grille work

Let
Us
Furnish
Yours



No. 27886

A plain design of very massive, yet elegant proportions. The columns are 5-inch diameter, tapering to receive fancy composition cap. The pedestals are 30 inches high and 24 inches wide. The panels in pedestals are raised set in perfect mitred moulding. The baseboard on pedestals are mitred around box post.

The beam between Grille and Composition Cap is 4 inches high, set with embossed moulding and mitred on face. We call particular attention to the mitred parts as explained, as this is the most complete finishing on a colonnade arch grille.

Rests for Jardinieres included, everything complete as shown in illustration.

For openings 8 feet wide or less the pedestals and columns will be made in proportion to opening.

Prices

Any Height not Exceeding 9 Feet

Width	In the White	Finished in Varnish
Up to 6 ft.....	\$18.50	\$21.25
Up to 7 ft.....	19.50	21.75
Up to 8 ft.....	20.15	22.90
Up to 9 ft.....	21.25	23.50
Up to 10 ft.....	22.90	26.20

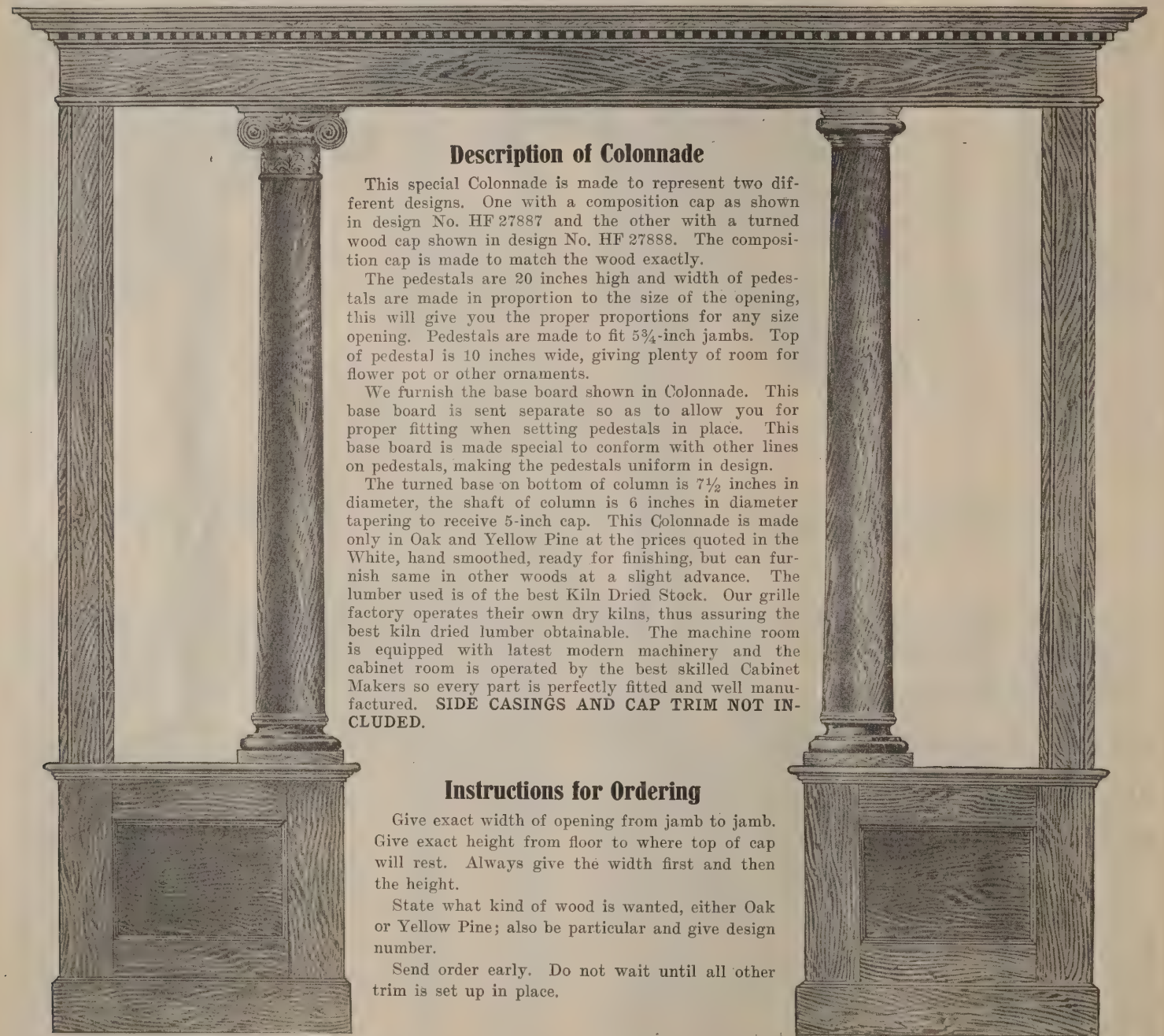
This Massive and Handsome Colonnade

Simple, but Elegant
in Design and Arch-
itecturally Correct

\$11.50

Best in the Market for a
Low Price Colonnade.
Read Description Carefully

Illustration of Colonnade on this page shows one of the best colonnades ever offered for the price asked. The design is of massive appearance and the lines throughout are architecturally correct. This design is gotten out by one of the best Grille and Colonnade designers in the country, every part is figured to give the proper proportions so when the Colonnade is set up in place, it is very pleasing to the eye. A high class piece of work and a design that will add considerable to the beauty and cheerfulness of a home.



Description of Colonnade

This special Colonnade is made to represent two different designs. One with a composition cap as shown in design No. HF 27887 and the other with a turned wood cap shown in design No. HF 27888. The composition cap is made to match the wood exactly.

The pedestals are 20 inches high and width of pedestals are made in proportion to the size of the opening, this will give you the proper proportions for any size opening. Pedestals are made to fit 5¾-inch jambs. Top of pedestal is 10 inches wide, giving plenty of room for flower pot or other ornaments.

We furnish the base board shown in Colonnade. This base board is sent separate so as to allow you for proper fitting when setting pedestals in place. This base board is made special to conform with other lines on pedestals, making the pedestals uniform in design.

The turned base on bottom of column is 7½ inches in diameter, the shaft of column is 6 inches in diameter tapering to receive 5-inch cap. This Colonnade is made only in Oak and Yellow Pine at the prices quoted in the White, hand smoothed, ready for finishing, but can furnish same in other woods at a slight advance. The lumber used is of the best Kiln Dried Stock. Our grille factory operates their own dry kilns, thus assuring the best kiln dried lumber obtainable. The machine room is equipped with latest modern machinery and the cabinet room is operated by the best skilled Cabinet Makers so every part is perfectly fitted and well manufactured. **SIDE CASINGS AND CAP TRIM NOT INCLUDED.**

Instructions for Ordering

Give exact width of opening from jamb to jamb. Give exact height from floor to where top of cap will rest. Always give the width first and then the height.

State what kind of wood is wanted, either Oak or Yellow Pine; also be particular and give design number.

Send order early. Do not wait until all other trim is set up in place.

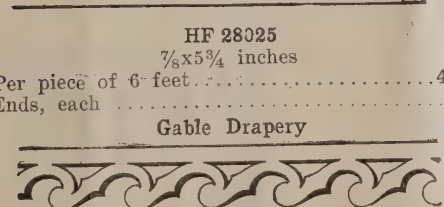
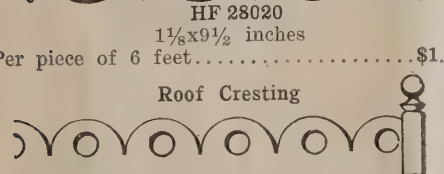
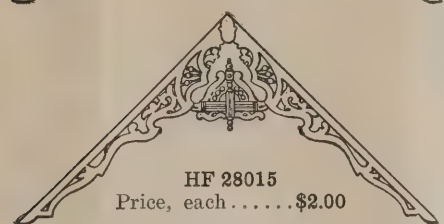
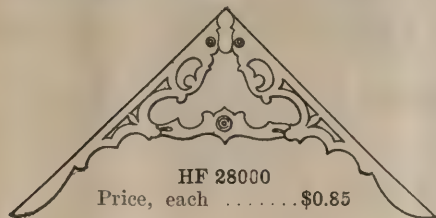
This Half Shows Composition Cap at Top of Column. Colonnade Design. No. HF 27887.

This Half Shows Turned Wood Cap at Top of Column. Colonnade Design. No. HF 27888.

Prices Per Pair Design HF 27887 In Oak with Composition Cap Price Per Pair			Prices Per Pair Design HF 27888 In Oak with Wood Cap Price Per Pair			Prices Per Pair Design HF 27887 In Yellow Pine with Composition Cap Price Per Pair			Prices Per Pair Design HF 27888 In Yellow Pine with Wood Cap Price Per Pair		
Width of Opening up to	Height of Opening up to	Price per Pair	Width of Opening up to	Height of Opening up to	Price per Pair	Width of Opening up to	Height of Opening up to	Price per Pair	Width of Opening up to	Height of Opening up to	Price per Pair
6 ft.	7 ft. 6 ins.	\$13.80	6 ft.	7 ft. 6 ins.	\$12.60	6 ft.	7 ft. 6 ins.	\$13.20	6 ft.	7 ft. 6 ins.	\$11.50
6 ft.	8 ft.	14.40	6 ft.	8 ft.	13.20	6 ft.	8 ft.	13.30	6 ft.	8 ft.	11.60
7 ft.	7 ft. 6 ins.	15.00	7 ft.	7 ft. 6 ins.	13.30	7 ft.	7 ft. 6 ins.	14.40	7 ft.	7 ft. 6 ins.	12.65
7 ft.	8 ft.	15.60	7 ft.	8 ft.	14.40	7 ft.	8 ft.	15.00	7 ft.	8 ft.	13.25
8 ft.	7 ft. 6 ins.	15.60	8 ft.	7 ft. 6 ins.	14.40	8 ft.	7 ft. 6 ins.	15.60	8 ft.	7 ft. 6 ins.	13.25
8 ft.	8 ft.	16.20	8 ft.	8 ft.	15.00	8 ft.	8 ft.	15.60	8 ft.	8 ft.	13.80
9 ft.	7 ft. 6 ins.	16.20	9 ft.	7 ft. 6 ins.	15.00	9 ft.	7 ft. 6 ins.	15.60	9 ft.	7 ft. 6 ins.	14.40
9 ft.	8 ft.	16.80	9 ft.	8 ft.	15.60	9 ft.	8 ft.	16.20	9 ft.	8 ft.	15.00

This Colonnade shipped from factory in Chicago

Adjustable Gable Ornaments



Practical Bungalows and Cottages for Town and Country

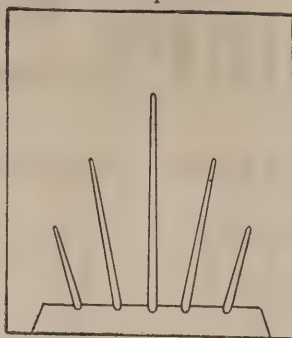
Arranged and edited by Fred T. Hodgson

MB 410—Contains perspective wash drawings and floor plans of one hundred and twenty-five choice homes, ranging in price from \$500 to \$2,000. Each plan illustrated shows the complete working plans and specifications of designs that work out to the best advantage and at the lowest cost; besides every inch of space has been utilized to the best advantage. We are prepared to furnish blue prints at a very moderate cost, ranging from \$5.00 to \$10.00, with complete typewritten specifications. Cloth. 250 pages. Size, 5 1/2 x 7 3/4. 300 illustrations. Our price69c

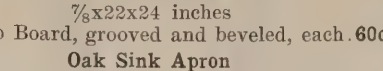


Sink Trimmings

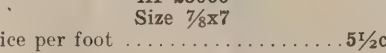
Oak Drip Board



Oak Sink Apron



Oak Sink Cap



Oak Sink Legs

HF 28070

1 3/4 x 1 3/4 x 30

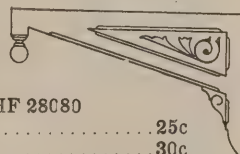
Price each11c

Exterior Brackets

HF 28085



HF 28080



HF 28080

7 x 22 x 1 3/4

9 x 28 x 1 3/4

30 x 16 x 2 3/4

36 x 18 x 2 3/4

Price each25c

Price each30c

Price each\$0.85

Price each1.20

HF 28090

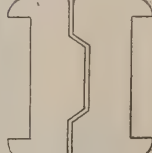
14 x 18 x 3 1/4

16 x 18 x 3 1/4

Price each60c

Price each65c

Astragals



HF 28092

Per pair 1 3/8.....50c

Per pair 1 3/4.....55c



HF 28095

Per pair 1 3/8.....25c

Per pair 1 3/4.....30c

Builders' and Contractors' Guide

MB 402—By F. T. Hodgson. It deals with the questions of areas and cubic contents of any given work and shows how their areas and contents may be obtained readily and furnishes for the regular estimator the data upon which he bases his prices. The work is a great aid and assistant to the regular estimator and of inestimable value to the general builder and contractor. Size, 5 1/2 x 7 3/4. 263 pages. Illustrated. (Postage 12c.) Our price98c



Window Glass

H 28095—Window glass is packed at the factory by experienced packers. As we could not safely re-pack we do not sell less than a box, and can make no allowance for breakage or shortage.

Made in two thicknesses, single thickness, which is about 1-12 of an inch, and double thickness, which is about 3/4 of an inch. These measurements, however, are approximate only as the actual thickness varies somewhat.

Prices on glass are entirely dependent upon market conditions, making it impossible to quote a fixed price in this catalogue.

You are invited to send for our Grocery List, published every 60 days, and which contains the market price of glass on the day it is published.

If, however, you desire only a small quantity, you probably do not care to delay your order while you send for the latest price, so in order to serve as a guide and merely to give you the approximate cost, we publish herewith the price of glass effective in January, 1909, at Chicago. We do not guarantee to fill your order at these prices, and to avoid any misunderstanding, would prefer to have you send for our Grocery List before ordering. But at any rate, whether you have your latest list or not, we shall be glad to receive your orders with the understanding that we shall make such advances or reductions in prices as may be made necessary by the market conditions on the day your order is received.

We allow our customers the benefit of all declines in market prices whether asked for or not, and assure you that you will at all times have the benefit of the very lowest prices ruling at the time your order is received.

"A" Grade	Lights in box	Single Thick per box	Double Thick per box
6 x 8	150		
7 x 9	115		
8 x 10	90		
9 x 12	67		
10 x 12	60		
10 x 14	52		
10 x 16	45		
12 x 16	38		
12 x 18	34		
12 x 24	25		
12 x 28	22		
12 x 30	20		
14 x 28	19		
14 x 32	16		
14 x 36	14		
14 x 40	13		
16 x 24	19		
16 x 28	16		
16 x 32	14		
18 x 36	11		
20 x 24	13		
20 x 30	12		
20 x 32	11		
24 x 28	11		
24 x 30	10		
24 x 34	9		
28 x 30	9		
24 x 36	9		
		\$2.43	\$3.40
		2.52	3.75
		2.70	4.12
		2.85	4.50
		2.95	4.55
		2.70	4.12
		2.85	4.50
		2.85	4.50
		2.95	4.55
		2.85	4.50
		2.95	4.55
		3.15	4.65

Other sizes upon application.

Iron Sash Weights

H 28097—Round Sash Weights, made of cast-iron. Per lb.1 1/2 c

Sash weights are sold as marked and not by actual weight, which is slightly less than marked weights. Prices subject to change without notice. Will always bill at very lowest market rates.

Glazier's Points

H 28096—Zinc Glaziers' Points in 1/4-lb. papers. Postage, 5c per paper. Per paper....4c
Per doz. papers.....42c



Iron Storm

Thresholds

C 46430—Threshold will prevent the rain beating in under the door, no matter how exposed your doors may be or how severe the rain may beat against them. Made of cast iron in one piece, painted black.

Length, in30 32 34 36
Weight, lbs.8 3/4 9 10 1/2 12
Each40c 42c 48c 54c



Rubber Threshold

Made of two strips of hardwood with a center-piece of pure sheet rubber. Keeps out rain, snow, cold and dust. Made only in the following sizes. Can easily be cut to intermediate lengths.

C 46423—Width, 36 in. Price, each.....65c
C 46424—Width, 42 in. Price, each.....78c

Rubber Weather Strips

Made of solid flexible rubber, easily applied; a light hammer and a pair of shears or knife are the only tools required. Put up in rolls containing 50 lineal feet. Made in four sizes, 3/4 in. for windows, 1/2 in. for sides of windows and doors, 3/4 in. for sides and top of doors, 1 in. for bottom of doors.

Price per roll Price per foot
C 46401—Width 3/4 in.....\$0.62 \$0.01 1/2
C 46402—Width 1/2 in......75 .02
C 46403—Width 3/4 in......98 .02 1/2
C 46404—Width 1 in.....1.25 .03

Metallic Weather Strips

Made of pure gray rubber, with a creased metallic back. Put up in boxes containing 100 lineal feet; made in 2 widths only.

Price per box Price per foot
C 46410—Width 1/2 in.....\$1.05 \$0.01 1/2
C 46411—Width 3/4 in.....1.48 .02
Shipped from factory in eastern Iowa, except glass and hardware, which are shipped from Chicago.

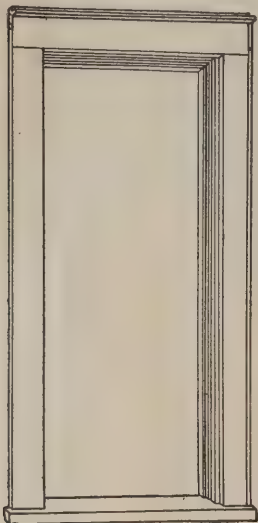


Window Frames

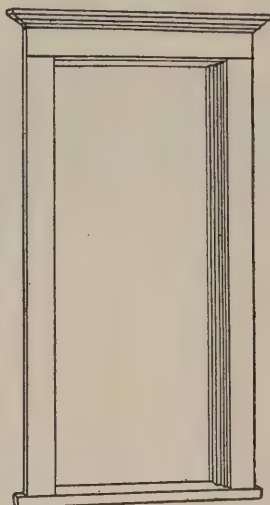
Made to Fit
Your Windows

No Further Cutting, Framing, Dadoing
or Gaining Necessary.
Ready to Set Up.
Shipped Knocked Down.

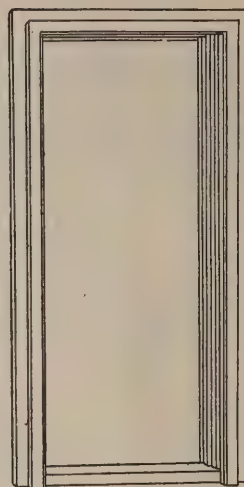
Plain Drip Cap Window Frame



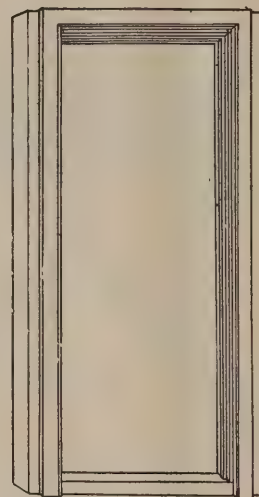
Crown Moulded Cap Window Frame



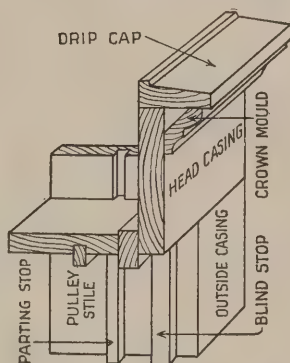
Cement Block Window Frame



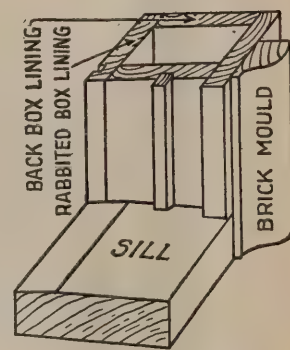
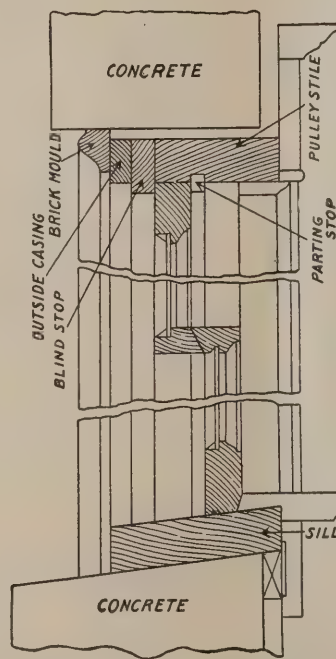
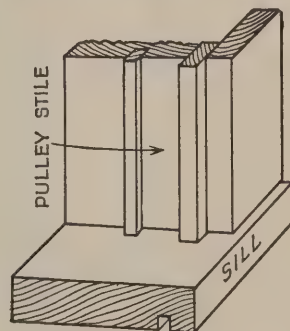
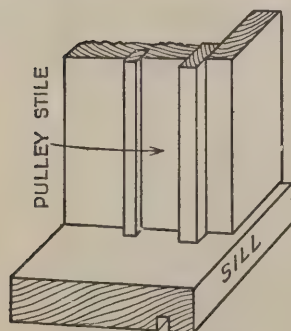
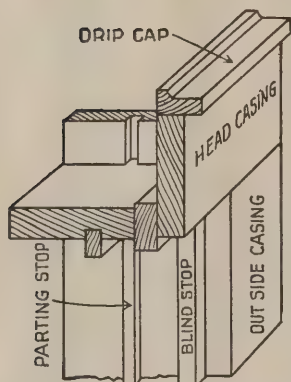
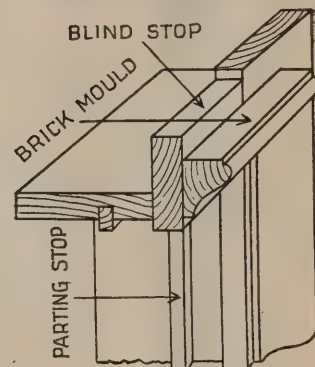
Box Frame



Section of Crown Moulded Cap Window Frame.



Section of Box Window Frame.



Plain Drip Cap Frames

For price of plain drip cap frames with pulleys see page 18, for frames without pulleys, deduct 25c. Frames made for Frame Building with 2x4 studding and 3/4" outside sheathing.

Outside casing, 3/4" in. x 4 1/2" in.
Plain Drip Cap 1 1/2" in. x 1 1/2" in.
Pulley stile 13/16 x 4 3/4".
Blind stop 13/16 x 1 1/4".
Parting stop, 1/2" x 13/16".
Sill 1 1/4" x 7 1/2".

Jamb including pulley stile and blind stop 5 3/8" in. overall.
Frames made for a 1 1/2" check rail window.

For frames with 1 1/2" outside casing, add 20c.

For frame for 2x6 studding add, 35c.

Plain Drip Cap Frames—Cont'd

Mullion frames, also called twin frames, twice the price of a single frame.

If inside stops are wanted we will furnish and with frame at an extra charge of 5c.

Crown Moulded Cap Frames

For price of Crown Moulded Cap frame, add 20c to a drip cap frame listed at \$1.45.

To a drip cap frame listed at \$1.60 or \$1.70, add 25c.

To a drip cap frame listed over \$1.70, add 30c.

Frames made for frame building with 2x4 studding and 3/4" outside sheathing.

Outside casing 3/4" x 4 1/2".

Crown Moulded Cap Frames—Cont'd

Drip Cap 1 1/4" x 3".
Crown Moulding 3/4" x 2 1/4".
Head Casing 3/4" x 7".
Pulley stile 13/16 x 4 3/4".
Blind stop 3/8" x 1 1/4".
Parting stop 1/2" x 13/16".
Sill 1 1/4" x 7 1/2".

Jamb, including pulley stile and blind stop, 5 3/8" in. overall.
Frames made for a 1 1/2" check rail window.

For frames with 1 1/2" outside casing, add 20c.

For frame with 2x6 studding, add 35c.

Mullion Frames, also called twin frames or double frames, double the price of a single frame.

Add 5c for inside stops if wanted.

Crown Moulded Cap Frames—Cont'd

Price of frame the same as Box frame, see page 18 for price of box frame.

Brick Mould 1 1/4" in. x 1 1/2" in.
Blind Stop 3/8" in. x 1 1/4" in.
Pulley Stile 3/8" in. x 4 3/4" in.
Parting Stop 1/2" x 13/16 in.
Sill 1 1/4" x 6 3/8" in.

Dadoed for Sill and Head jamb.

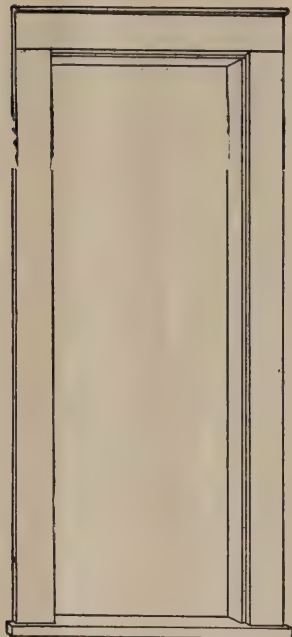
Detail of Box Frame

Brick Mould 1 1/4" x 1 1/2"
Blind Stop 3/8" x 5"
Pulley Stile 3/8" x 4 1/2"
Parting Stop 1/2" x 13/16"
Rabbeted Box Lining..... 3/8" x 4 1/2"
Back Box Lining..... 3/8" x 4 1/2"
Dadoed for sill and head jamb.

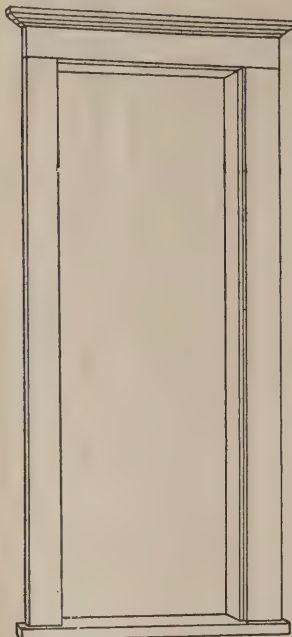
For price of Box Frame see page 18.

All frames are shipped from mill in Eastern Iowa.

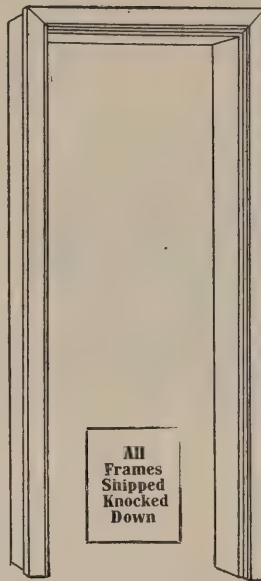
Outside Door Frames



Plain Drip Cap Frame



Crown Mould Frame



Plank Door Frame



Brick Veneer Frame

HF 23550—Plain drip cap. Outside door frames rabbeted for $1\frac{3}{8}$ or $1\frac{1}{2}$ doors, for frame building for sizes 2-8 x 6-8 and smaller. Price, **\$1.65**

HF 23551—Larger than 2-8 x 6-8 and not over 3-0 x 7-0. Price, **\$1.75**
HF 23552—Larger than 3-0 x 7-0 and not larger than 3-6 x 7-6. Price, **\$2.25**

Be sure to specify thickness of door so that we can rabbet the frames to suit.

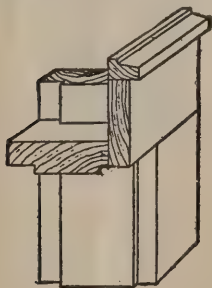
For hardwood sill, add 15c.
 For 2 x 6 studding, add 35c.
 For $1\frac{1}{2}$ thick outside casing to form a rabbet of $1\frac{3}{8}$ in., add 35c.

Plain Drip Cap Transom Frame

HF 23565—For Plain Drip Cap door frames with transom heads not over 2 ft. high, (made to fit any height transom, for transom not to exceed 24 inches in height). For 2 x 4 studding. Add to price of plain drip cap outside door frame of the same size, 50c.

Plain Drip Cap Door Frame

Outside Casing, $\frac{7}{8}$ x $4\frac{1}{2}$.
 Drip Cap, $1\frac{1}{8}$ x $1\frac{1}{2}$.
 Jamb, $1\frac{3}{8}$ x $5\frac{1}{2}$.
 Oak Sill, $1\frac{1}{2}$ thick.
 Dadoed for sill and head jamb.
 Rabbeted to suit thickness of door.



Detail of head and sill of Outside Door Frame

HF 23580—Crown Moulded Cap outside door frames add to price of Plain Drip Cap for 2-8 x 6-8 or smaller, 20c.

For larger sizes, add 25c to corresponding size.

For hardwood sill, add 15c.

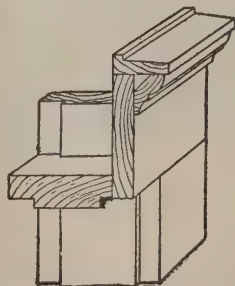
For 2 x 6 studding, add 35c.
HF 23581—For Crown Moulded Cap Door frames with transom bar to match, for transoms not over 2 ft. high; 2 x 4 studding. Add to Crown Mould Cap Door Frame of the same size, 60c.

For 2 x 6 studding, add 45c.
 For $1\frac{1}{2}$ thick outside casing, add 45c.

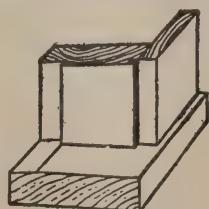
For hardwood sill, add 15c.

Crown Mould Door Frame

Outside Casing, $\frac{7}{8}$ x $4\frac{1}{2}$.
 Head Casing, $1\frac{1}{8}$ x $7\frac{1}{2}$.
 Drip Cap, $1\frac{1}{8}$ x $3\frac{1}{2}$.
 Crown Mould, $\frac{7}{8}$ x $2\frac{1}{2}$.
 Jamb, $1\frac{3}{8}$ x $5\frac{1}{2}$.
 Oak Sill, $1\frac{1}{2}$ thick.
 Rabbeted to suit thickness of door.
 Dadoed for both sill and jamb.



Detail of Crown Moulded Cap



Detail of Sill

Plank Door Frames

For Brick, Stone, Concrete and Cement Block Buildings

Our Plank Door frames are manufactured from 2-in. plank, solid lumber.

Quality of lumber is standard stock and where we are compelled to use sound knotted material (on account of the scarcity of thick clears and selects) such knots are of the live red variety, which do not detract from the strength of the timber. Shipped in the knockdown, carefully bundled, without sill as shown. Furnished in three different sizes of jamb with $1\frac{1}{2}$ x 2 in. beaded brick moulding.

HF 23591—Plank door frame 3 ft. x 7 ft. or smaller, **\$1.85**

For larger frames add 10c for every 4 inches or fraction thereof, either in width or height.

HF 23592—For transom heads not to exceed 24 inches in height, add 50c.

HF 23593—Plank Door frames for 11 inch wall $1\frac{1}{2}$ x $7\frac{1}{2}$ inch jamb for 2-8 x 6-8 doors or smaller.

Price, **\$1.80**

HF 23594—Same as above, except for doors up to 3-0 x 7-0. Price, **\$2.10**

For larger frames add 15c for every 4 inches or fraction thereof either in width or height.

HF 23595—For frames with transom head for 11 inch walls, for transoms not to exceed 2 ft. in height, add 55c.

HF 23596—Plank Door frames for 13 inch wall, $1\frac{1}{2}$ x $9\frac{1}{2}$ inch jamb, for 2-8 x 6-8 doors or smaller.

Price, **\$1.90**

HF 23597—Same as above, except for doors up to 3-0 x 7-0. Price, **\$2.20**

For larger frames add 15c for every 4 inches or fraction thereof either in width or height.

HF 23598—For frames with transom head for 13 inch walls, for transom not to exceed 2 ft. in height, add 60c.

For wider jambs than 9 inches for thicker walls than 13 inches, add for every 2 inches added to width of jamb or fraction thereof, 35c.

Note—Thickness of wall given as 9-inch, 11-inch and 13-inch, include the lath and plaster and are sometimes called 8-inch, 10-inch and 12-inch walls respectively.

The different widths of jamb as listed are exclusive of the $1\frac{1}{2}$ x 2-inch brick moulding.

Different width of jamb as specified above for different widths of wall will show a brick reveal of about $2\frac{1}{4}$ inches and it is not necessary that a 2 x 10 jamb be used for a 13-in. wall. The 2 x 6 jamb can also be used for a 10 or 11-inch wall and the 2 x 8 jamb is suitable for a 13-inch wall or wider, the only difference being as the width or thickness of wall increases, the brick reveal increases correspondingly. Very often a 2 x 8 jamb is used for a 13-inch wall, showing a reveal or exposed brick of about $4\frac{1}{4}$ inches.

Brick Veneer Outside Door Frames

Outside Door Frames for brick veneer building only. With 2 x 4 studding, have the head and side jambs $1\frac{3}{4}$ x $5\frac{9}{16}$, a very wide outside casing $1\frac{3}{16}$ x $4\frac{1}{2}$ and beaded brick moulding $1\frac{1}{8}$ x 2.

All made of good, sound common lumber.

HF 23600—2-8 x 6-8 or smaller.

Price, **\$1.90**

HF 23602—3-0 x 7-0 or smaller.

Price, **\$2.10**

HF 23604—3-6 x 7-6 or smaller.

Price, **\$2.50**

Be sure to state thickness of door and get just what you want.

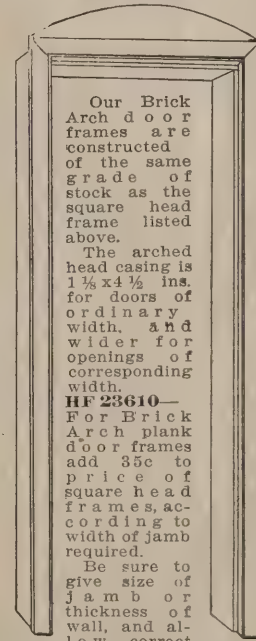
For Brick Arch, add 35c.

For Transom Head, add 60c.

In all brick veneer frames we furnish sill with frame for above price.

Brick Arch Plank Door Frames

See Elevation



Our Brick Arch door frames are constructed of the same grade of stock as the square head frame listed above.

The arched head casing is $1\frac{1}{4}$ x $4\frac{1}{2}$ ins. for doors of ordinary width, and wider for openings of corresponding width.

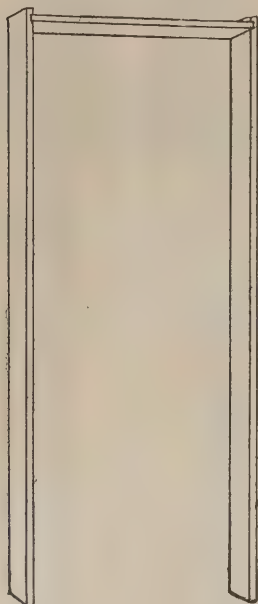
HF 23610—

For Brick Arch plank door frames add 35c to price of square head frame, according to width of jamb required.

Be sure to give size of jamb or thickness of wall, and allow correct

price.
 For transom heads for brick arch frames add as above for square head frames.

Inside Door Jambs



Jambs are made 1 3/16 x 5 1/2.

WHITE PINE JAMBS

HF 23730—For 2/8 x 6/8 door or smaller without stops.....75c
 HF 23735—For doors 3/0 x 7/0 or smaller without stops.....85c
 HF 23740—For 2/8 x 6/8 door or smaller with stops.....90c
 HF 23745—For 3/0 x 7/0 door or smaller without stops.....\$1.00
 HF 23750—For opening up to 6-0 x 7-6 no stops.....\$1.05
 HF 23755—For opening up to 8-0 x 8-0.....\$1.30

YELLOW PINE JAMBS

HF 23700—For door up to 2/8 x 6/8 without stops.....60c
 HF 23705—For door up to 3/0 x 7/0 without stops.....72c
 HF 23710—For door up to 2/8 x 6/8 with stops.....74c
 HF 23715—For door up to 3/0 x 7/0. Price.....87c
 HF 23720—For opening up to 6/0 x 7/6.....\$1.00
 HF 23725—For opening up to 3/0 x 8/0.....\$1.25
 For Jambs wider than 5 1/2 inches add for every 2 inches 25c for a 2/8 x 6/8 door and 30c for doors larger up to 3/0 x 7/0.
 HF 23760—Transom door jamb white pine not over 3-0 wide, 24 inch high, add.....30c
 HF 23765—Transom door jamb yellow pine, add.....25c
 HF 23770—Plain Red Oak Transom, add to oak price.....60c

PLAIN RED OAK JAMBS

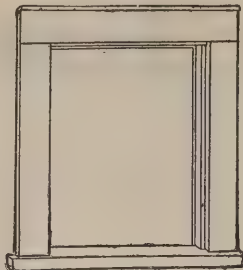
HF 23780—For doors up to 2/8 x 6/8 without stops.....\$1.55
 HF 23785—For doors up to 3/0 x 7/0 without stops.....\$1.70

ALL FRAMES MADE FROM GOOD SOUND STOCK—Our window and door frames are made at our factory in Eastern Iowa from a good grade of lumber, free from all injurious defects. Each frame bundled separately and shipped knockdown.

OUR PRICES LOW—Our prices are extremely low for frames of this construction and character of wood, and at these prices no carpenter can possibly afford to make his own frames with the prevailing high prices in most localities for such lumber from which frames should be made.

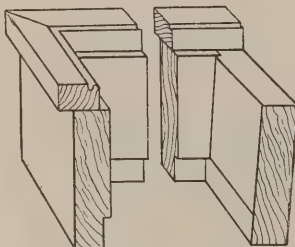
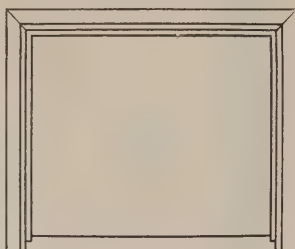
FREIGHT CHARGES—Freight charges are not high, in fact they take the next to the lowest freight rate in less than carload quantities, and our frames are all made from white pine which is lighter than any of its substitutes, (being both durable and light). Freight charges therefore should be a secondary consideration. The weight of an average size window frame is about forty-five pounds

Sash Frame



HF 23800—Gable Sash frame for 2 x 4 studding knockdown for sizes not larger than for 2-6 x 3-5 sash (no inside casing or stops). Price....\$1.20
 HF 23805—Same as above including 3 1/2-inch plain square edge inside casing moulded inside stops and moulded stool 3 inches wide, rabbeted to fit over the sill. Price, complete..\$1.50

Cellar Sash Frames



Basement or Cellar Sash Frames

We sell this frame at as low a corresponding price as the balance of our frames and at which no builder can afford to make them himself, as in nearly all localities the prices of lumber alone come higher than what we ask for the entire frame complete, ready to nail up without any further fitting, etc., made to size ordered from sound knotted stock. The jamb is reinforced with a beaded brick moulding, same as the plank door frames.

We furnish them for different widths or thicknesses of wall, jambs made from 2 x 6 stock being generally used for 8 and 10 inch walls while 2 x 8 lumber is used for wider or thicker walls. The jamb is rabbeted for 1 1/2 inch sash unless otherwise ordered. No rough surface on lumber is permitted in these frames.

HF 23810—Plank cellar sash frames made from 2 x 6 stock for single sash sizes of sash not larger than 2 ft. 10 in. by 2 ft. Price.....\$1.00

HF 23815—Same as above, same size except jambs made from 2 x 8 plank finished size of jambs 1 3/4 x 7 1/2, exclusive of brick moulding. Price, \$1.20
 For larger sizes than 2-10 x 2-0, add for every 4 inches or fraction thereof for 2 x 6 jamb 10c and for 2 x 8 jamb, 15c.

Do you desire an apparatus in your home, office or club room, that will furnish you an inexhaustible supply of hot water, any moment, day or night, at the least possible expense? The Windsor heater is an ornament in any bathroom and is indispensable, once installed. Independent of any boiler, the Windsor heats water instantly, and not the room. Any child can operate them. Turn on the pilot light, strike a match, turn on the gas, thus turning on the water automatically, hot water will flow instantly. Can be regulated to any temperature. Each heater is equipped with adjustable burner for any pressure or any kind of gas. The heaters will operate entirely satisfactory with any kind of water, hard or soft. They are constructed of the best grade of cold drawn polished copper, highly nickel-plated and will last a lifetime. The automatic safety lock prevents any possible accident. The water pressure regulator regulates any pressure. No home is complete without a Windsor Instantaneous Water Heater.

It is necessary that each Heater should be connected with Vent Pipe terminating outside of the Bath Room in which the Heater is connected.

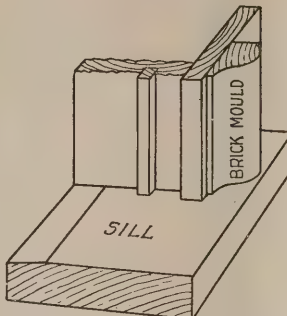
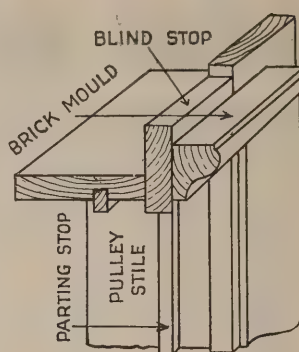
Heater can be connected direct with city water works. If there are no water works it can be supplied from tank above Heater. The Heater can be changed to burn gas instead of gasoline. Necessary parts will be furnished when ordered.

Dimensions.—Diameter 12 inches; height 28 inches.

Capacity.—Will heat 1 1/2 to 2 gallons per minute to a temperature of 100 degrees Fahrenheit.

Water Heater Shipped from Factory in Michigan

Brick Veneer



Detail of Brick Veneer Window Frame

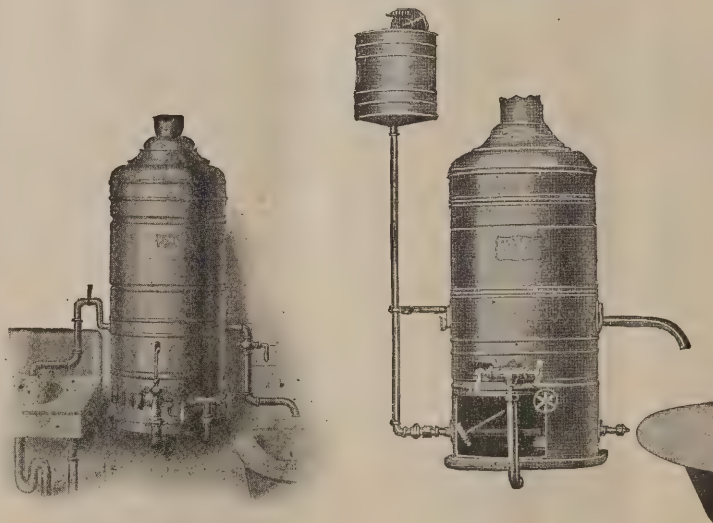
Brick Mould.....1 1/4 x 1 1/4
 Blind Stop.....3/8 x 3 3/4
 Parting Stop.....1/2 x 13/16
 Jamb, including Blind Stop.....3/4 x 5 5/8
 Sill.....1 1/4 x 7 1/2

Dadoed for sill and head jamb.
 Price of this frame, same as box frame.

Montgomery Ward & Co., Dear Sirs:
 Received the fur coat yesterday; the size is all right and it is a fine coat for the price. I cannot get as good a coat here for less than \$40.00. Yours Respectfully, W. C. Harder, Three Rivers, Mich.

Montgomery Ward & Co., Gentlemen:
 Will say that everything is satisfactory. You have made a lifelong customer of me by your honest dealings and I am telling my neighbors about your dealings. I remain a customer, W. A. Donaldson, Westhope, N. Dak.

Windsor Instantaneous Water Heater

Used with Gas
HF 23918

Price.....\$17.50

Used with Gasoline
HF 23917

Price.....\$22.00

Fireproof Metal Lath

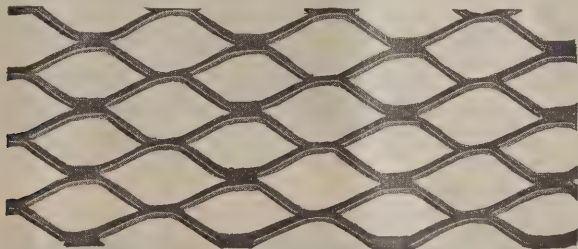
Metal Lath is coming to be largely substituted for wood lath because it will not burn, and therefore makes the building safer. It comes in large sheets which may be erected rapidly and when erected costs very little more than wood lath. As it holds the plaster better than wood lath, the danger of accidents due to falling ceilings is minimized. Efficient protection in an ordinary house is secured by enclosing the furnace in a room formed by Metal Lath ceiling and walls, and building the partitions around stairways and halls with Metal Lath, thus preventing the spread of fire through the most exposed parts of the building.

Because it will not swell when the wet mortar is applied, and shrink and cause cracks in the wall when it dries out, Metal Lath is the ideal foundation for cement siding, which is used instead of "lap boards" on residences, barns, and structures where the walls do not support the floors and roof. The expense of this construction is approximately the same as for "lap boards," the cost varying somewhat with local conditions. The "cement siding" building is warm in winter, cool in summer, and requires no painting. The walls are artistic in appearance, never deteriorate (but grow harder and stronger with age) and they will not burn.

In building partitions, it is customary to space the studding 12 inches on centers, and to attach Key Expanded Metal Lath with 1 inch or 1¼ inch staples made from No. 14 gauge wire. To fasten 100 square yards of lath requires 10 pounds of 1 inch or 12 pounds of 1¼ inch staples. The lath is lapped two inches on the ends and sides of the sheets.

For plastering, the mixture should be composed of one part of Portland Cement, three parts of clean sharp sand and enough hair to give the plaster the necessary fiber. Metal Lath covered with this plaster will not rust. To prevent corrosion before it is erected, lath may be bought painted or galvanized. The wall is finished with the usual white coat.

FOR CEMENT SIDING CONSTRUCTION, the house is framed and sheathed as though lap boards were to be applied, and the sheathing is covered with a layer of damp-proof paper. Then apply wood strips for "furring," spaced on the same centers as the studding and nailed through the sheathing to the studding. Ordinary wood lath will answer the purpose. These furring strips should be uniform in thickness. The idea is to provide a space behind the lath so that the cement mortar may be worked through to cover up the back side. The lath is stapled to the furring strips, and then plastered with as many coats of cement mortar as are desired.



Key Expanded Metal Lath

Key Expanded Metal Lath is used both for inside and outside work. Boston Steel Lath only for inside walls and ceilings.

Furnished without coating, or painted, or galvanized.

Sheets, 18 in. x 96 in., packed in bundles of 15 sheets (20 square yards).

Prices F. O. B. factory in Ohio, and Approximate Weights per Square Yard.

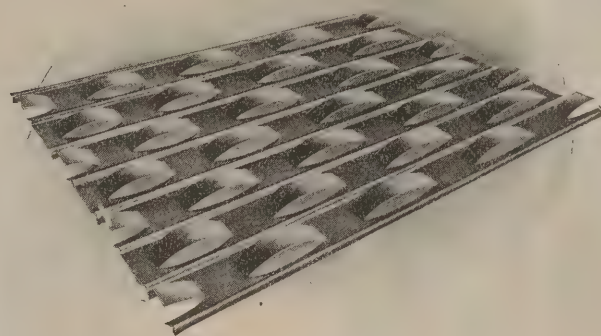
	Approx. Wgt. Per Sq. Yd.	Price per Sq. Yd.
HF 28500—Not Coated	2.25 lbs.	\$0.11¾
HF 28501—Not Coated	2.5 lbs.	.13
HF 28502—Not Coated	3.0 lbs.	.14
HF 28503—Not Coated	3.4 lbs.	.15½
HF 28510—Painted	2.25 lbs.	.12½
HF 28511—Painted	2.5 lbs.	.13¾
HF 28512—Painted	3.0 lbs.	.14¾
HF 28513—Painted	3.4 lbs.	.16¾
HF 28520—Galvanized	2.8 lbs.	.21¾
HF 28521—Galvanized	3.1 lbs.	.23
HF 28522—Galvanized	3.6 lbs.	.24
HF 28523—Galvanized	4.1 lbs.	.25½

DO NOT BUY ANY ROOFING

Until you have seen our samples and prices. Our goods are strictly high grade, and we can surely save you money.

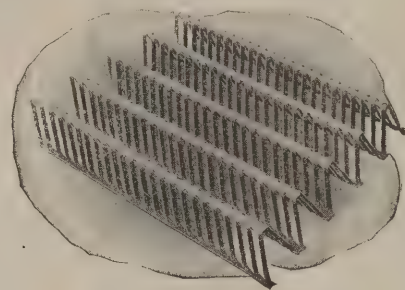
Two-ply Ready Roofing at, per roll.....64c
Three-ply Ready Roofing at, per roll.....89c

To Line Corn Crib and Granaries, Key Expanded Metal Lath, galvanized, is used without plastering and forms an absolute barrier to mice. The mesh is ¾ in. x 5/8 in. Each sheet of lath is one piece of metal and the mesh can not be enlarged without breaking the steel. Key Lath bends uniformly and can be readily fitted into corners.



BOSTON STEEL LATH
Painted or Galvanized

Sheets 24 in. x 96 in. equals 17/9 square yards. Packed in bundles of 10 sheets. Approximate weight per square yard, 4½ pounds. Price per sq. yd., painted.....21½c



TRUSSIT.

TRUSSIT is manufactured from a sheet of steel, being expanded vertically to a depth of one inch into a rigid open mesh which forms a permanent centering and true reinforcement for concrete, and is used in the erection of fireproof Roofs and Curtain Walls.

FOR ROOF CONSTRUCTION, erected on 4 ft. centers; the top is floated up with cement mortar (1 cement—3 sand), and the under side is plastered with the same mixture to which hair has been added. A 2 in. monolithic slab is formed. The roof is waterproof with any standard asphaltum composition.

FOR CURTAIN WALLS, TRUSSIT is plastered in the same way, forming a 2 in. wall. No permanent studding is required.

PRICES PER SQUARE FOOT

	27 Gauge	24 Gauge
Lots of less than 1,000 square feet	\$0.05½	\$0.07
Lots of 1,000 square feet or more.....	.05	.06½

For Galvanized Stock, add 1¼c per square foot for 27 gauge and 1c per square foot for 24 gauge.

For Painting, add ½c per square foot.

Standard Sheets, 15½ in. wide; 8 ft. long—10 sheets, 10½ square feet, in a bundle.

Extra for special length, No. 24 gauge:

4 ft. 0 in.—4 ft. 6 in.—5 ft. 0 in.—add ¼c per square foot.
5 ft. 6 in.—6 ft. 0 in.—6 ft. 6 in.—7 ft. 0 in.—7 ft. 6 in.—add ½c per square foot.

No. 27 gauge is carried in stock lengths of 8 ft. 0 in. only.

Approximate Weights in Pounds Per Square Foot.

Gauge	Black	Galvanized
27	.71 pounds	.86 pounds
24	1.02 pounds	1.18 pounds

Our Famous "Atlas" and "Lakeside" Roofings at from \$1.30 to \$2.00 per roll, made in three different weights or thicknesses and packed complete with nails and cement ready to apply.

Quality always guaranteed.

Write for Roofing Samples—Sent Free Upon Request.

Metal Ceilings

The advantages of steel ceilings as a modern substitute for wood or plaster are apparent to everyone and scarcely need comment.

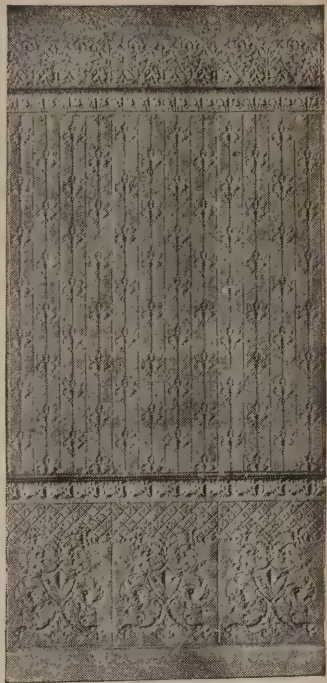
The expense of repair and the annoyance and danger of falling plaster have demonstrated the necessity of a fire and water proof material, which will not warp or crack.

Our patent steel ceilings combine these essentials in hardsome and artistic designs and are light and elegant in appearance and practical in construction.

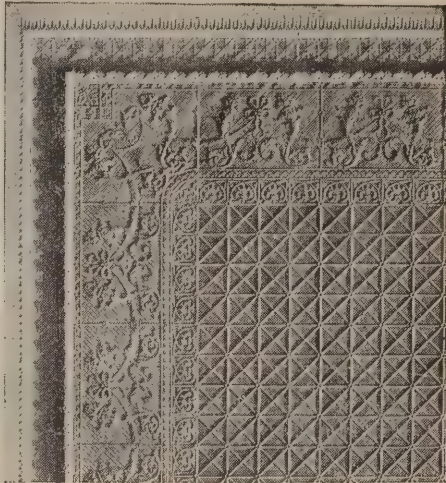
We wish to call particular attention to the lapping bead used on our metal ceilings. Each bead is machined in the steel die and is absolutely correct, making a dust proof joint, as the beads fit perfectly together.



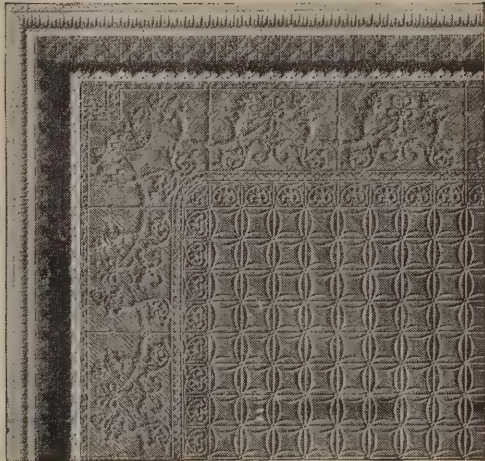
Wall Design
HF 28159



Wall Design
HF 28155



Ceiling Design
HF 28237



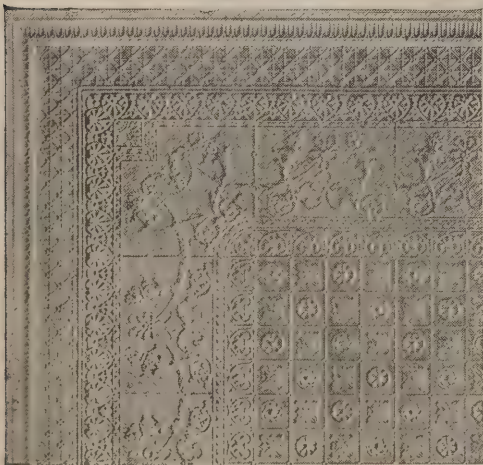
Ceiling Design
HF 28236



Ceiling Design
HF 28231

REGARDING PRICES

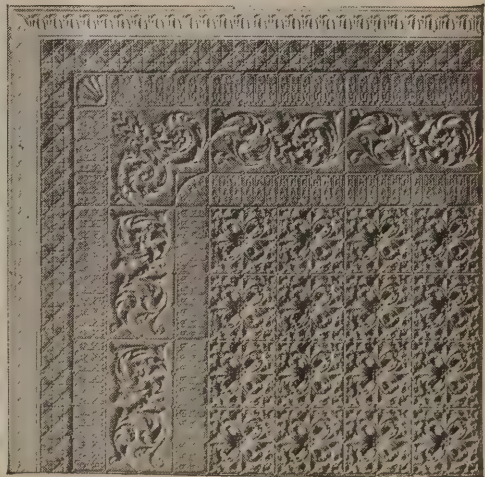
If a diagram of the room to be ceiled is sent us showing dimensions, shape and location of all offsets, openings and irregularities, giving height of ceiling and design wanted, we will be pleased to make an exact estimate of the material you will need for the work.



Ceiling Design
HF 28100



Ceiling Design
HF 28209



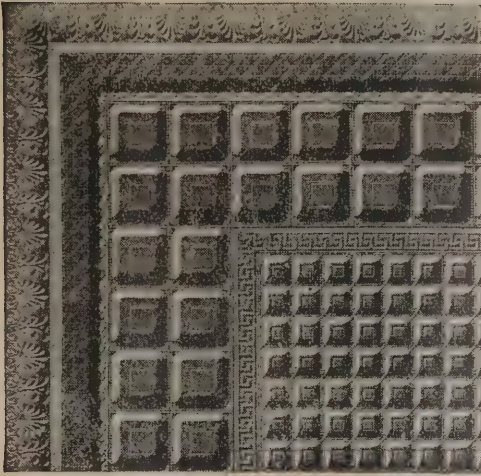
Ceiling Design
HF 28253

Gas Engines

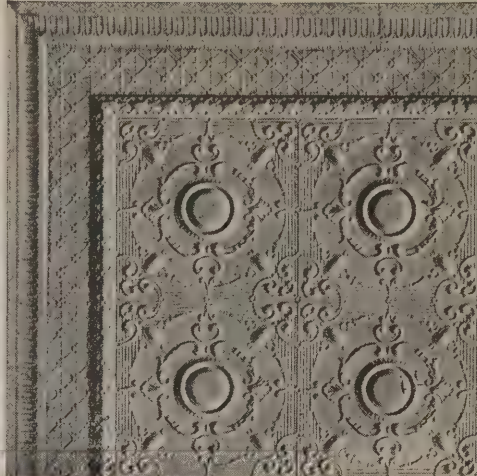
Our Gas Engine Catalogue tells how to save time, labor and money. Send for a copy. :: :: ::

Goods on this page shipped from Chicago.

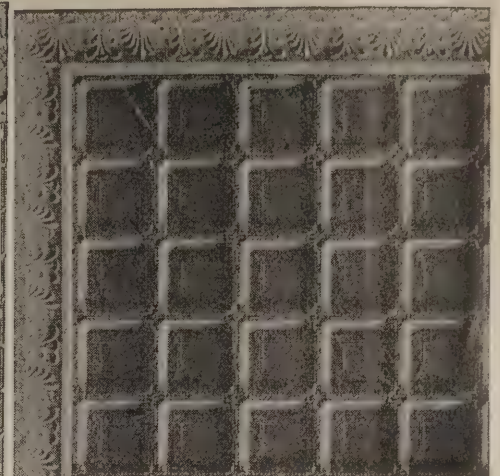
Metal Ceilings (Continued)



Ceiling Design
HF 28049



Ceiling Design
HF 28232



Ceiling Design
HF 28047

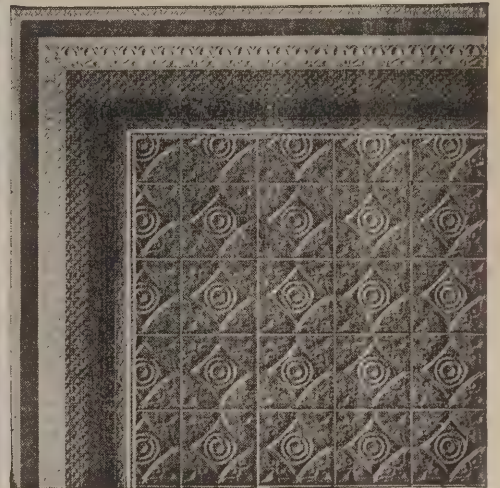
Prices will be furnished upon application.



Ceiling Design
HF 28210



Ceiling Design
HF 28248

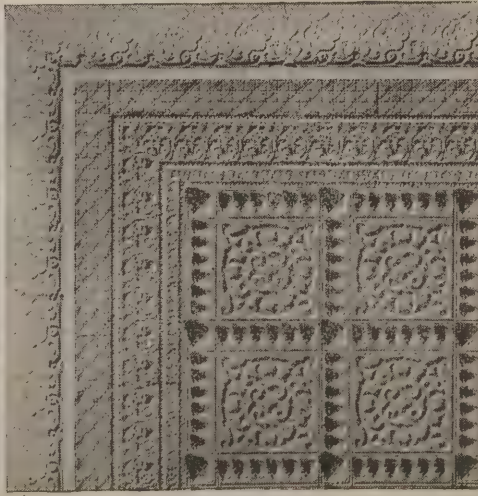


Ceiling Design
HF 28246

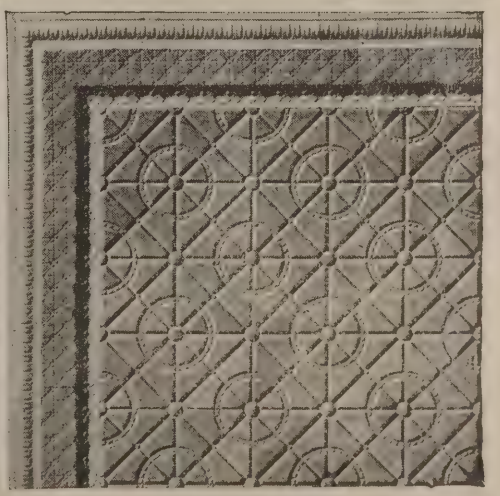
Prices will be furnished upon application.



Ceiling Design
HF 28254



Ceiling Design
HF 28212



Ceiling Design
HF 28230

Goods on this page shipped from Chicago.

Lakeside Pneumatic Water Supply System

for Suburban and Country Homes

Lakeside System, No. 2

We are now able to offer our patrons a thoroughly reliable pneumatic water supply system; one we know will prove satisfactory in the hands of our customers.

Heretofore, in all places where an independent water supply was maintained, the only way to supply water to the different plumbing fixtures throughout the house was by means of an elevated tank either placed in the attic of the house, or on an elevated tower outside of the building.

If placed inside the weight of the tank and contents invariably caused the settling of the walls, cracking the plastered ceiling and walls underneath. The attic tank was also liable to leakage at any time, and many houses have been damaged from this cause.

When the outside tank was installed, the piping had to be protected from freezing in winter, and in summer the heat caused the water in the tank to become stale and unfit for use.

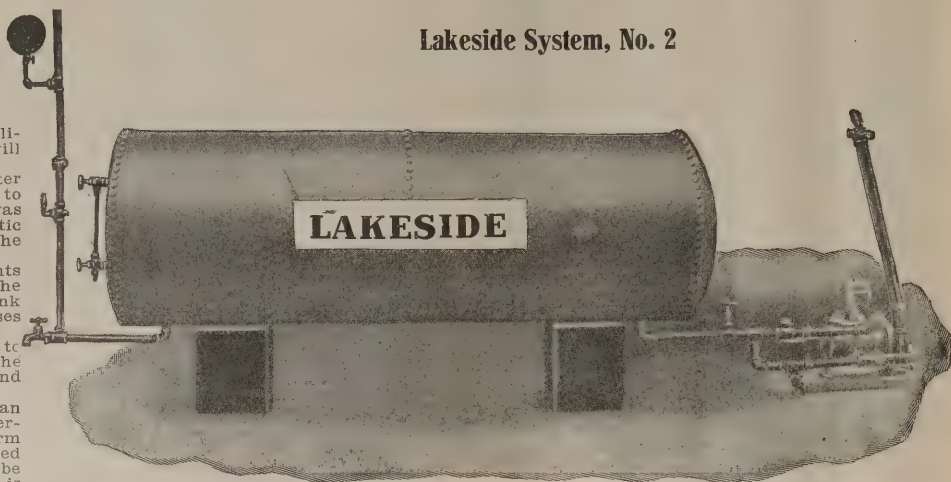
With the pneumatic water supply system, the tank can either be placed in the basement of the building or underground, and by so doing, the water is kept at a uniform temperature regardless of climatic conditions. If placed underground, it should be deep enough so as not to be affected by frost. The water in this kind of a system is purified by means of the minute air bubbles with which the water is charged, thus insuring water of exceptional purity.

We list the outfits in two different ways and in only two sizes. We can, however, supply any size outfit required, as we can furnish tanks up to 8 ft. in diameter and 36 ft. long.

We guarantee every tank sent out to be absolutely air tight, and upon this one feature more than anything else, the entire success of the outfit depends.

We also wish to call your attention to the by-pass piping and valves which are sent out with all our systems. This enables one to drain the entire contents of the system back into the well or cistern, in case of accident to the piping, without removing or disturbing in the least any of the valves in the pump.

We supply with all of our outfits a compound water and air force pump, with an air cylinder attached which enables one to pump water and air combined, or water or air alone, with the same stroke of the piston. No



other pump on the market will do this satisfactorily, and this is a very essential feature in a pneumatic supply system.

In comparing our prices on the following outfits with other quotations, remember we furnish all necessary galvanized iron pipe and pipe fittings as shown in the cuts of the outfits. The pipe is cut to exact length, so all that is necessary after the tank is placed and connections made, will be to attach suction pipe to pump and supply pipe to house piping.

These complete outfits are sent out securely packed for shipment from our factory and can be furnished promptly upon receipt of order.

The outfits as listed are recommended for house use only and where a number of outside outlets are desired or where an outfit is wanted for sprinkling purposes, a much larger tank will be needed and the water for same is usually supplied by means of a wind-mill, gasoline or hot air engine. Should you need a plant of this kind, write us stating your requirements, and we will be pleased to make you an estimate based on your needs.

Lakeside Pneumatic Water Supply System No. 1

\$58⁰⁰

With Vertical Tank

This outfit takes up little room in the basement, and is the favorite size for supplying a moderate amount of water for bath and kitchen purposes. It consists of:

- One 30-inch by 6-foot Pneumatic Tank.
- One Brass Lined Double Acting Force Pump.
- One 4 1/2-inch diameter 100-lb. register, Air Pressure Gauge.
- One 5/8-inch Glass Water Gauge.
- Two 1-inch Double Brass Gate Valves.
- One 1-inch Brass Check Valve.
- One 3/4-inch Compression Hose Faucet.
- One 1/2-inch Stop and Waste Cock.

Galvanized pipe and fittings as shown in illustration.

The tank has a total capacity of 220 gallons, and allowing one-third space for air, will deliver about 150 gallons of water.

It has our special double acting water and air compressor pump. A little pumping every day will insure a well filled tank and an even pressure.

This outfit is guaranteed to develop a pressure of 50 pounds to the square inch, which will deliver water through horizontal pipes a distance of one mile and in vertical pipes to a height of one hundred feet.

Complete instructions for installing and operating accompany each outfit.

HF 30000—Lakeside Pneumatic Water Supply System No. 1, complete, as listed above. Free on board cars at our factory in Western Illinois.

Price\$58.00

Lakeside Pneumatic Water Supply System No. 2

\$68⁰⁰

With Horizontal Tanks

This size outfit is suitable for supplying water for the kitchen, bath and laundry of the average residence.

The tank has a total capacity of 295 gallons; allowing one-third space for air, will deliver about 190 gallons of water.

It is equipped with our double acting water and air compressor pump, with which water and air together, or water or air separately, can be pumped.

The outfit consists of:

- One 30-inch by 8-foot Pneumatic Tank.
- One Brass Lined Force Pump.
- One 4 1/2-inch diameter 100-lb. register, Air Pressure Gauge.
- One 5/8-inch Glass Water Gauge.
- Two 1-inch Double Brass Gate Valves.
- One 1-inch Brass Check Valve.
- One 3/4-inch Compression Hose Faucet.
- One 1/2-inch Stop and Waste Cock.

Galvanized Pipe and Fittings as shown in illustration.

This is one of our best outfits for residence use. It is guaranteed to develop a pressure of 50 pounds to the square inch, which will elevate water to a height of one hundred feet, or deliver it through horizontal pipes a distance of one mile.

Complete directions for setting up and operating accompany each outfit.

HF 30005—Lakeside Pneumatic Water Supply System No. 2, with horizontal tank, complete, as listed above. Free on board cars at factory, Western Illinois. Price\$68.00

HF 30010—Guaranteed Air Tight Pneumatic Tanks

Diameter in Inches	Length in Feet	THICKNESS Shell	THICKNESS Heads	Wts.	Capacity in Gallons	Price
24	5	3-16	5-16	425	120	\$26.25
24	6	3-16	5-16	445	145	27.75
24	7	3-16	5-16	510	170	30.00
24	8	3-16	5-16	560	195	32.50
24	10	3-16	5-16	675	245	35.25
30	5	3-16	5-16	495	180	30.50

Diameter in Inches	Length in Feet	THICKNESS Shell	THICKNESS Head	Wts.	Capacity in Gallons	Price
30	6	3-16	5-16	560	220	\$33.25
30	7	3-16	5-16	625	255	35.75
30	8	3-16	5-16	700	295	42.00
30	10	3-16	5-16	870	365	48.50
30	12	3-16	5-16	900	440	55.00
36	5	3-16	5-16	675	265	40.50

Diameter in Inches	Length in Feet	THICKNESS Shell	THICKNESS Heads	Wts.	Capacity in Gallons	Price
36	6	3-16	5-16	750	315	\$44.00
36	7	3-16	5-16	825	365	48.50
36	8	3-16	5-16	900	420	53.25
36	10	3-16	5-16	1050	525	62.25
36	12	3-16	5-16	1200	630	68.00
36	14	3-16	5-16	1400	735	70.50

Larger sized tanks quoted upon application. Above prices are for tanks and outfits free on board cars at factory in Western Illinois.

These Tanks and Systems have been shipped to every state in the Union and are being used in nearly every civilized country in the world, where they are giving the owner entire satisfaction.

Remember that we guarantee every tank to be air tight.

Riverside

Gasoline House Lighting System

There have been successful store lighting devices for a number of years, but no one has perfected a gasoline house lighting device that filled the bill until recently. There have been many difficulties to overcome in producing such a system.

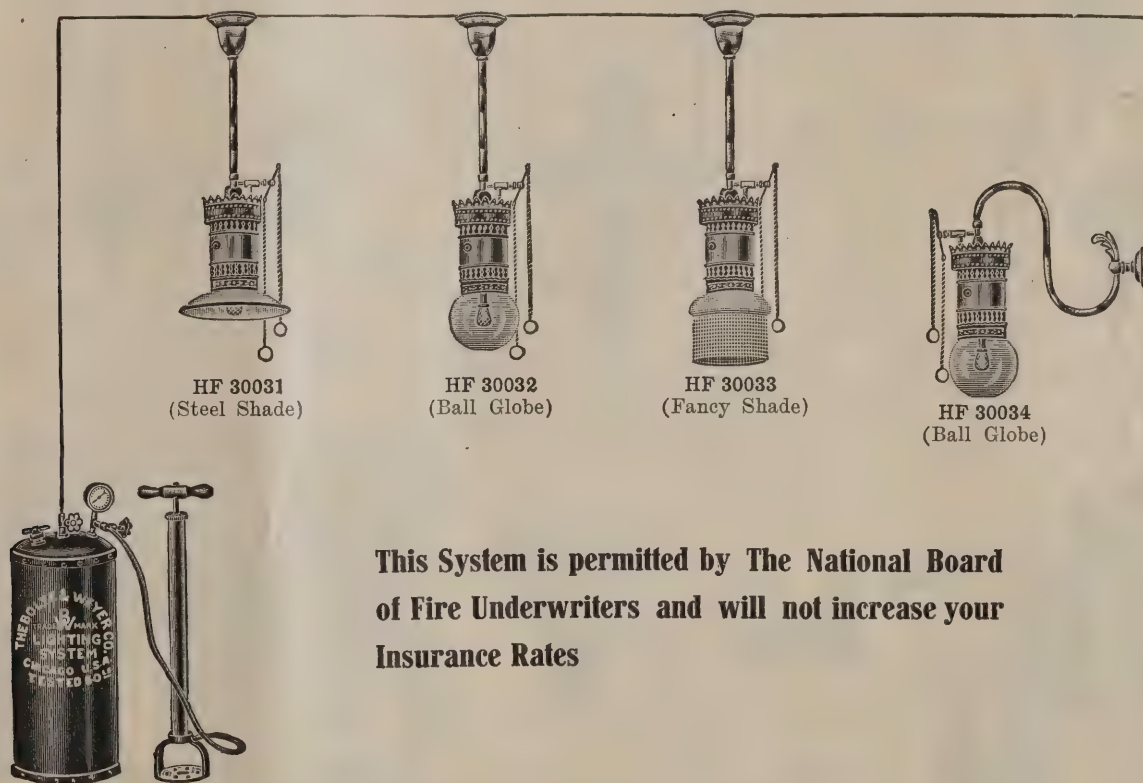
THE BIG TUBE SYSTEM is out of the question for this purpose as the vapor tube itself is so unsightly, and the central gas generator has to be adjusted whenever more or fewer lights are needed. The cold vapor process is quite satisfactory, but very expensive to install and operate. Previous standard types of hollow wire self generating lamps gave too much light, and too much heat for ordinary house use. It was necessary to step on to a chair to generate, light, and turn out each one.

OUR NEW HOUSE LIGHTING SYSTEM is the height of perfection. We have successfully overcome all of the above mentioned draw backs, and we now offer you a line of single mantle inverted self generating lights that give just the right amount of light, produce very little heat, and each light is generated, lighted, and turned out from the floor without climbing on to a chair or ladder.

THE TANK may be placed out of doors or in the basement, and the

wire may be concealed in the walls and ceilings of a new house, although it is not at all obtrusive. Each lamp will operate from 60 to 70 hours on a gallon of ordinary stove gasoline, hence will produce four times as much light as the largest circular burner kerosene lamp on the same amount of oil. There are no wicks to trim, no greasy lamps to wash, no smoke or smell, and all the lamps in the house are filled for the entire week at one time and one tank.

THE SYSTEM is far less dangerous than a gasoline cook stove, as it is built much stronger, and the gasoline supply is entirely away from any flame. It is permitted by the National Board of Fire Underwriters, and will not increase your insurance rate. In ordering, send us an accurate diagram showing location of lights and tank, distance between same, and height of each ceiling. We will forward the system complete, ready to screw together. Any man can put one of these systems up in a short time, using a brace and bit, monkey wrench, hammer, and a few staples and nails.



This System is permitted by The National Board of Fire Underwriters and will not increase your Insurance Rates

The above cut illustrates a complete system showing three popular ceiling pendants, and a very handsome wall bracket fixture.

Lamps

- HF 30031**—Illustrates our standard single mantle fixture with an enameled steel shade. This shade is indestructible, washes like a plate, and throws most of the light downward. It is particularly adapted for kitchen use. Weight 14 lbs. **\$5.70**
- HF 30032**—The same fixture with a plain glass globe for drafty locations. Half frosted or frosted globes are furnished in place of clear only when specified. This style allows more light to reach the upper part of the walls and ceiling. Wt. 14 lbs. **\$6.00**
- HF 30033**—Illustrating a fancy fringed shade for parlor, hall or dining room. This shade comes in frosted, ruby, amber, and green, and adds greatly to the appearance of the light and the entire room. Wt. 14 lbs. **\$7.50**
- HF 30034**—A wall fixture for rooms with low ceilings. This light should be equipped with a frosted globe to soften the light. Wt. 14 lbs. **\$6.00**

Complete Systems

- HF 30232**—2 light system complete with 2 HF 30032 fixtures, 50 ft. hollow wire, 3 gal. tank, pump, etc. Wt. 45 lbs. **\$21.50**
- HF 30332**—3 light system complete with 3 HF 30032 fixtures, 75 ft. hollow

- wire, 6 gal. tank, pump, etc. Wt. 58 lbs. **\$30.50**
- HF 30432**—4 light system complete with 4 HF 30032 fixtures, 100 ft. hollow wire, 6 gal. tank, pump, etc. Wt. 65 lbs. **\$37.50**
- HF 30532**—5 light system complete with 5 HF 30032 fixtures, 125 ft. hollow wire, 6 gal. tank, pump, etc. Wt. 75 lbs. **\$44.00**

Extras

The standard length of the ceiling fixtures is 30 inches. Extra lengths will add 50c per foot or fraction.

Extra lengths of hollow wire, per ft., 4c.

Supplies

- Inverted mantles, best quality, per doz., postpaid. **\$1.50**
- HF 30032**—Globes. Clear, each. **.25**
- Half Frosted, each. **.30**
- Frosted, each. **.40**
- HF 30033**—Best Lead Glass Fancy Shades.
- Frosted, each. **1.50**
- Ruby, each. **2.00**
- Amber, each. **2.00**
- Green, each. **2.00**

Shipped direct from factory in Chicago.

Lakeside Lighting Systems

There is a growing demand for a modern system of lighting at a moderate price for country homes and for residences so situated that neither gas nor electricity is available. This demand has been fully met in the production of the "Lakeside Lighting System."

The "Lakeside System" is very simple in construction and is as easy to operate as city gas.

Construction of System

The "Lakeside Lighting System" is not a central generator system, but the gasoline is conveyed to the burner by means of a hollow drawn brass wire and is converted into gas at the burner.

Capacity of Tubing

Although the wire is very small, it will carry a sufficient supply of gasoline to feed one hundred lights, all burning at one time. We have often been asked if each chandelier requires a separate wire running direct from the tank. There is only one tube starting from the tank, from which branches are run to the different chandeliers.

The System is very easily installed and does not even require the services of a skilled mechanic. If proper measurements are sent to us, the System is made up at the factory so that it exactly fits the place for which it is intended. Each part is marked to correspond with measurements sent to us so that there can be no mistake in putting the right part in the right place.

The wire tubing is so small that it can be stretched on the ceiling so that it is scarcely noticeable. This is the best way to install the System, for then every part is accessible if repairs are necessary. It can, however, be

concealed, so that it is not visible at all. If a new house is being built, this wire can be buried in the plaster, or if a house is being repapered, a shallow groove can be cut into the plaster and then the paper can be placed over the groove into which the tubing is laid. We recommend leaving the tubing in sight.

In order to get the wire tubing as taut as possible, the tubing should be assembled before the flanges are fastened to the ceiling. The unions should be left unscrewed as far as possible, and after the wires are stretched as tightly as possible the flanges should be fastened to the ceiling, and then the union can be tightened up. This will draw the wire into line and make a neat job.

Artistic Fixtures

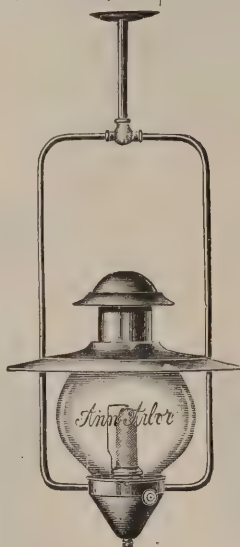
The fixtures are particularly attractive and slightly. They are constructed of brass and are beautifully finished in polished brass or oxidized copper. The fixtures are always cut to order and are exactly the right length.

Fixtures will be fitted to any ceilings a charge of 30 cents per foot will be made. Nobody doubts the efficiency of gasoline for lighting. It is not only the cheapest method of lighting but gives good results. The only objection ever offered is that gasoline is dangerous to use. This objection is not well founded, but even admitting that it is, we can prove to you that in the "Lakeside System" every element of danger is eliminated. The gasoline is contained in a tank which is placed in a room far removed from any fire, or may be placed out of doors. The only objection is thus removed.



1-light Chandelier, complete with Gas Lamp
HF 30600

Price in polished brass.....\$4.00
Oxidized copper.....4.00
Wire tubing, with connections, per foot.... .04
No wire tubing included with fixtures.



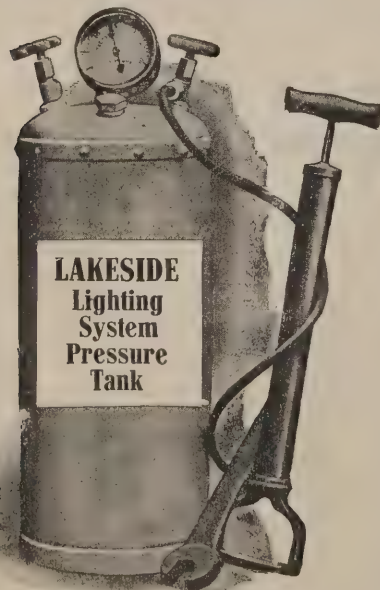
HF 30605—Outdoor Arc. 600 Candle Power.
This can be attached to regular system and is often used in front of stores. Price, each.....\$7.00



2-light Chandelier, complete with Gas Lamps

HF 30610

Two lights polished brass.....\$6.00
Three lights polished brass.....8.00
Two lights oxidized copper.....6.00
Three lights oxidized copper.....8.00
Wire tubing, with connections, per ft......04
No wire tubing included with fixtures.



1-light Bracket Complete
HF 30615

Price in polished brass.....\$2.50
Oxidized copper.....2.50
Wire tubing, with connections, per ft......04
No wire tubing included with fixtures.

All quotations given on this page are for goods on board cars at the factory in Michigan

HF 30620

Supply tanks are made of heavy galvanized iron and are tested to 50 lbs. pressure, although the system requires but 10 to 15 lbs. of pressure. Gasoline capacity is only one-half of total capacity indicated.

HF 30620—Three-gallon tank with gauge and 17-inch foot pump....\$5.50

This tank is large enough for system of from 1 to 3 lights.

HF 30621—Four-gallon tank with gauge and automobile foot pump.. 7.00

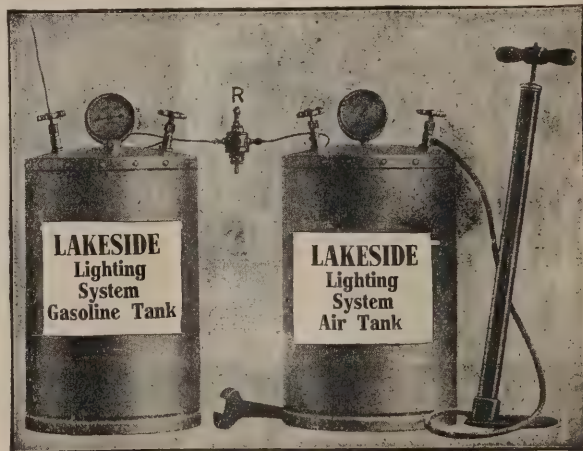
Large enough for five-light system.

HF 30622—Three-gallon tank without foot pump or gauge..... 3.50

HF 30623—Four-gallon tank without foot pump or gauge..... 4.00

HF 30624—17-inch Foot Pump......75

Shipped direct from factory in Michigan



HF 30630—Compound Pressure Supply Tank

This Compound Tank is built in exact compliance with the rules of the National Board of Fire Underwriters. The new "Underwriters' Rules" require that the gasoline supply tank shall be placed out of doors and but six gallons of gasoline is allowed under pressure. With this Compound Tank the air tank and regulator are placed inside of the building and gasoline tank is placed outdoors. It is not necessary to watch pressure on gasoline tank, for it is always constant. Suppose that the regulator is set at 12 pounds. If there is more than 12 pounds of pressure on air tank, it is certain that there will be just 12 pounds of pressure on the gasoline supply tank.

The part marked "R" is a pressure regulator. This pressure regulator makes it possible to have a uniform pressure on the gasoline supply all the time. When pressure regulator is set at 10 pounds, thirty, forty, or any number of pounds of pressure can be pumped into air supply tank without changing pressure on gasoline supply.

The pressure needed on any system is determined by the height of ceiling of room in which system is used. If gasoline is to be raised 10 feet about 10 pounds of pressure is needed. For a 15-foot ceiling 15 pounds of pressure is needed, etc. The pressure regulator is adjustable and can be set at any point by simply adjusting the thumb screw.

HF 30630—Two heavy galvanized tanks, capacity of each, 6 gallons; two gauges, pressure regulator, large pump, wrench, etc. Outfit complete at factory.....\$15.00

HF 30635—Best quality pressure gauge..... 1.50

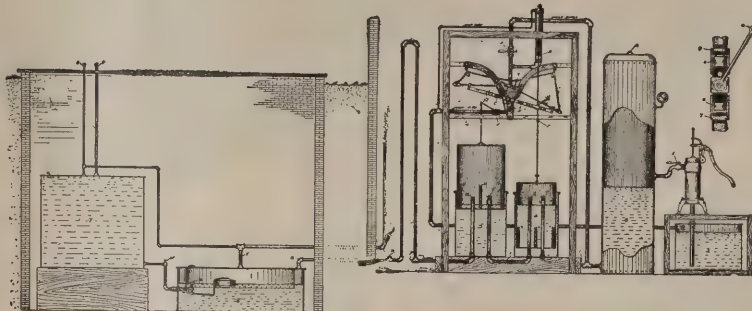
HF 30640—Automobile Foot Pump..... 1.50

Gas Plant for Cooking and Lighting

The Victoria Gas Machine

**Not a Luxury but
a Household
Necessity**

**Prices Reduced
so That Every-
one Can Afford It**



**No Extra Rate
of Insurance**

**Our System is
Endorsed by
the Insurance
Underwriters**

Will It Work?

In this connection let us say that we have had machines working on this principle for the past ten years and have received orders from the same parties who were building other buildings or from neighbors of the parties who have used our machines from one to ten years. In the above machine we have made nothing new in principle. The only thing we have simplified the construction of the valve and provided a device for the automatic shifting of the valve which is so simple that any child can understand the operation.

Nothing to Get Out of Order

The valve can be repacked with two $\frac{3}{4}$ -inch fuller balls at a cost of about fifteen cents so that same will be as good as new. The fuller balls are the same as are used and have been used for the past twenty or thirty years in bath cocks and basin cocks and in numerous other places where it is desired to turn water on and off intermittently.

All Automatic

When you do not use the gas the reserve can raises up and shuts off the exhaust of water from the cylinder therefore stopping the machine. As soon as you light the gas range or light the lights the reserve can gradually descends and opens up the exhaust from the cylinder and starts the machine again. No other adjustment is necessary whether you have one light lit or any number up to the capacity of the machine and the same applies to the gas range also whether one burner is lit or all the burners on the range.

No Generating is Necessary

The burners either for the lights or the stove are ready for the match any second that you turn the gas on the same as city or natural gas.

It is Safe

All gasoline is in the storage car and carburetor which are outside in a pit. The part of the machine that is in the basement or building, if no basement, acts the same as though you stood there with an air pump. Simply pure air and water. Nothing enters the house with any gas in except the rizer pipe the same as if you were using city or natural gas.

Piping

We do not include any pipe in the prices. Use just the common black gas pipe for the building and galvanized pipe in the trench between building and pit.

Rules for Piping Building

Size of main rizer, 10 to 20 lights1 inch
Size of main rizer, 30 to 40 lights1 $\frac{1}{4}$ inch
Size of main rizer, 50 lights1 $\frac{1}{2}$ inch

For branches for residence use one-half, three-fourths and one inch pipe. Size depending on the number of lights on the run. We will indicate the size of pipe to use if a rough pencil sketch of building is

sent. Have all $\frac{3}{8}$ -inch drops. For gas range use $\frac{3}{4}$ -inch pipe taken direct from rizer pipe. If in doubt about what size of pipe to use and you do not want to wait for reply, use the size larger as the expense is so trifling for the extra size, and the work is practically the same.

We Guarantee It

Every plant that leaves our factory is subject to a guarantee covering flaws and defects, quality of gas, etc. Our twelve years of experience in building gas machines has taught us what the public wants and in putting before you our proposition, we want you to remember that if the machines do not do all and more than we claim for them your money will be cheerfully refunded.

Explanations

No complications enter into any part of the machine. Cut above shows machine connected up with a range boiler for a pressure tank. Machine can be run with either city water pressure or pressure tanks as generally put into buildings where city water is not obtainable, or as above shown. When put in as above shown it can be installed anywhere as there is no waste water to contend with. The same water is used over and over. Price does not include range boiler and force pump but we can furnish same at a very low price as given. Cut indicates the pit walled up with either brick or concrete. If you want to eliminate the cost of the pit to a mere nominal sum, we can furnish you a galvanized iron tube about three feet in diameter and six feet long to slip right over the carburetor for four to six dollars depending on size of machine and the balance can be covered with dirt. This will answer the same purpose as the open pit.

If no basement, and it is desired to put the blower part in building where water would freeze, using the range boiler as above indicated for pressure tank, mix enough wood or denatured alcohol with the water to keep same from freezing.

Amount of Water

A few gallons of water is all that is generally required a day for residence or store. Of course this amount varies according to the amount of gas used. From five to ten gallons should be a fair average for an ordinary sized residence per day.

Prices

These machines are used extensively for cooking purposes using a regular gas range.

Prices of our gas machines are as follows:

HF 31012—12 Light Machine only.....	\$45.00
HF 31015—15 Light Machine only.....	47.50
HF 31020—20 Light Machine only.....	50.00

The above machines consist of water blower, barrel tank and carburetor, that is the machine complete without the piping ready to attach on to city water pressure or basement pressure tank.

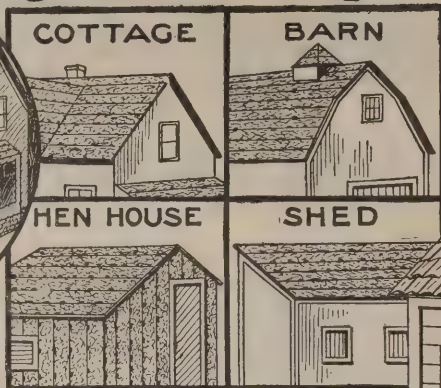
If desired we can furnish 30 gallon range boiler, cistern force pump and drain tank to go with the above machine where there is no city water or pressure tank at an additional cost of \$12.00.

We furnish special prices on larger machines.

All shipped direct from gas machine plant in Iowa.

High Grade Prepared Roofing

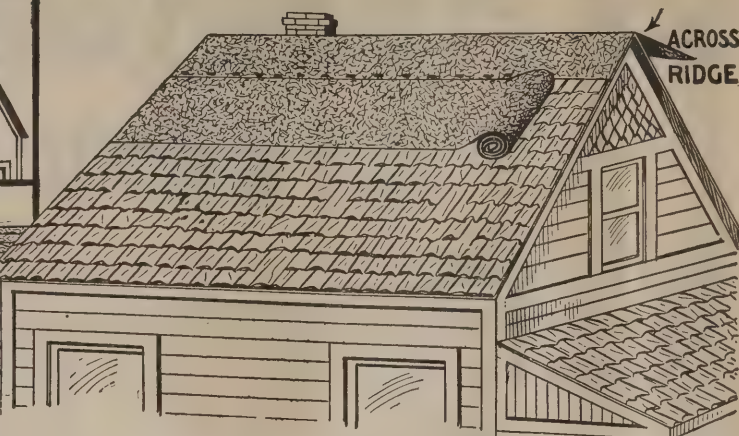
Write for Our Roofing Samples.
Sent Free on Application.



**A Building is Only as Good
as its Roof.**

For permanent buildings of all kinds we here offer the most desirable Roofing made, whether to go on new buildings or for a covering over old and leaky roofs.

When you put our prepared Roofings on a new roof it is all right to begin to lay it at the eaves and work up to the ridge, but over old shingle roofs all roofers agree that the way shown in the above picture is best; that is, begin at the top and work down, lapping the top sheet of roofing across the ridge, as here shown, tucking the lower sheet under the upper in each case and nailing the lower edge of the upper sheet down over the upper edge of the next, as the picture shows. In this way you avoid walking on the new roofing, which may cause punctures and leaks, as the old shingles and shingle nails are below it to make trouble if stepped on.



All of our roofings are easily applied, require no special tools or previous experience.

Each roll is packed complete with large head galvanized nails and liquid cement for the laps. This cement makes the laps and joints absolutely waterproof, so that the entire roof when laid is the same as one solid sheet of weatherproof fabric.

Every roll is guaranteed perfect and if given reasonable care, and properly applied will give many years of satisfactory service.

Better and more economical than wood shingles.

"Atlas" Prepared Roofing

(Smooth "Rubber" Surface)

"Atlas" Prepared Roofing is made from selected, long fibre wool felt, thoroughly saturated with non-volatile compounds, and coated on both sides with a patent composition, making it closely resemble "rubber," and is commonly called rubber roofing. Contains no tar or other volatile matter, therefore does not dry out or crack. It will not stick in the roll, contains nothing to ooze out, even in the hottest weather and will not crack in the coldest. It is adapted for any climate, absolutely weather-proof; contains nothing in its composition to evaporate, is always pliable and never becomes hard or brittle.

It is suitable for either flat or steep roofs, requires no special tools, and can be easily laid by an ordinary workman. It is waterproof, acid-proof and air-tight. Requires no extra coating, except at laps. Each roll is packed complete, with large head galvanized roofing nails, and the necessary liquid cement for cementing the laps. Width of roofing, 32 in.

Made in three different weights, all the same high quality exactly, the difference being only in the thickness and weight.

Standard "Atlas" Roofing

C 200—Standard "Atlas" Prepared Roofing. Roll containing one square or 108 square feet, complete, with large head galvanized nails and liquid cement for the laps. Weight, 34 lbs. Per roll.....**\$1.20**
C 201—Standard "Atlas" Roofing. Same as above, but with long galvanized nails for over old shingles. Per roll.....**\$1.20**

C 202—Standard "Atlas" Prepared Roofing. Roll containing two squares, or 216 square feet, complete, with large head galvanized nails and liquid cement for laps. Weight, 68 lbs. Per roll.....**\$2.35**
C 203—Standard "Atlas" Roofing. Roll containing two squares, with long galvanized nails for over old shingles. Per roll.....**\$2.35**

Heavy "Atlas" Roofing

C 204—Heavy "Atlas" Prepared Roofing. Roll containing one square, or 108 square feet, complete, with large head galvanized nails and liquid cement for the laps. Weight, 44 lbs. Per roll.....**\$1.55**
C 205—Heavy "Atlas" Roofing. Same as above, but with long galvanized nails for over old shingles. Per roll.....**\$1.55**
C 206—Heavy "Atlas" Prepared Roofing. Roll containing two squares, or 216 square feet, complete, with large head galvanized nails and liquid cement for the laps. Weight, 88 lbs. Per roll.....**\$3.05**
C 207—Heavy "Atlas" Roofing. Roll containing two squares, same as above but with long galvanized nails for over old shingles. Per roll.....**\$3.05**

Extra Heavy "Atlas" Roofing

C 208—Extra Heavy "Atlas" Prepared Roofing. Roll containing one square, or 108 square feet, complete, with large head galvanized nails and liquid cement for the laps. Weight 54 lbs. Per roll.....**\$1.80**
C 209—Extra Heavy "Atlas" Roofing. Same as above but with long galvanized nails for over old shingles. Per roll.....**\$1.80**



"Lakeside" Roofing

(Hard Flint Surface)

We offer our "Lakeside" Roofing as a superior fabric suitable for all classes of roofs, made of the best materials and sold under our guarantee.

It is acid-proof, water-proof and weather-proof; not affected by changes of temperature and adapted for all climates.

It is easily and quickly applied, requiring no previous experience or any special tools. Any one can lay a good roof by following the simple directions.

It is surfaced on both sides with sand grit, requiring no expense for coating or paint, and the grit surface adds greatly to the life of the fabric, and also increases its fire-resisting qualities against danger from falling sparks, etc.

Neatly put up in rolls, does not stick, run or crack, has been thoroughly tried and is guaranteed to make a first-class roof.

Does not impart any taste to the water, which is important to all who use rain water for domestic purposes.

Put up in rolls of 108 square feet, which is sufficient to cover one square or 100 square feet. We also pack with each roll a sufficient supply of galvanized roofing nails and liquid cement which is used for cementing the laps. Width of roofing, 32 inches.

Made in three different weights, all the same high quality exactly, the difference being only in the thickness and weight.

Standard "Lakeside" Roofing

C 220—Standard "Lakeside" Prepared Roofing. Roll containing one square, or 108 square feet, complete with large head galvanized nails and liquid cement for the laps. Weight, 55 lbs. Per roll.....**\$1.25**
C 221—Standard "Lakeside" Roofing. Same as above, but with long galvanized nails, for over old shingles. Per roll.....**\$1.25**

Heavy "Lakeside" Roofing

C 224—Heavy "Lakeside" Prepared Roofing. Roll containing one square, or 108 square feet, complete, with large head galvanized nails and liquid cement for the laps. Weight, 65 lbs. Per roll.....**\$1.60**
C 225—Heavy "Lakeside" Roofing. Same as above, but with long galvanized nails, for over old shingles. Per roll.....**\$1.60**

Extra Heavy "Lakeside" Roofing

C 228—Extra Heavy "Lakeside" Prepared Roofing. Roll containing one square, or 108 square feet, complete with large head nails and cement for the laps. Weight, 75 lbs. Per roll.....**\$1.85**
C 229—Extra Heavy "Lakeside" Roofing. Same as above, but with long galvanized nails for over old shingles. Per roll.....**\$1.85**

Notice:

We save you freight to Southern and Eastern points as we can ship our "Atlas" "Lakeside," or "White Rock" roofings direct from warehouses in Southern Ohio, Philadelphia, or New York, N. Y.

"White Rock" Roofing

A handsome, high grade roofing made from pure long fibre wool felt, thoroughly saturated with an asphaltum compound, and surfaced with White Crystal Rock or Spar. Contains no tar or other volatile matter, will not dry out or crack and is suitable for any climate. The White Rock surface presents a beautiful appearance, adapting it for use in the finest dwellings. Made with a smooth edge about 2 1/2 in. wide, so that the overlap can easily be cemented. Requires no surface coating and each roll is packed complete with large head galvanized nails and liquid cement for the laps. Needs no special tools and can easily be laid by an ordinary workman.

Will make a very pretty roof and one that will give long and satisfactory service. Is also finely adapted for use as Siding, particularly for country homes. Is air tight, weather proof and handsome in appearance. Width of roofing, 32 in. (Send for free samples.)

C 240—"White Rock" Roofing. Roll containing one square, or 108 square feet, packed complete with large head galvanized nails and liquid cement for the laps. Approximate weight, 75 lbs. Per roll.....**\$2.15**

Send for Free Samples of Our High Grade Roofing and Building Papers.

"Burlap-Gravel" Roofing

Our "Burlap-Gravel" Roofing is a very tough, flexible fabric, constructed of the best material throughout, with a Burlap Insertion which greatly increases its tensile strength.

The material is constructed in five separate layers as follows: 1st, a long fiber wool felt, thoroughly saturated with asphaltum; 2d, a layer of asphaltum; 3d, Jute burlap saturated with asphaltum; 4th, a layer of asphalt; 5th, a top dressing of fine washed gravel.

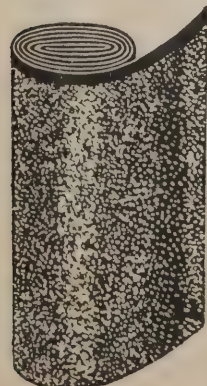
The whole fabric is bound together under great pressure making a strictly high grade waterproof roofing, that will give many years of satisfactory service.

The gravel surface is thoroughly pressed into the asphaltum under heavy rolls, and will not come loose.

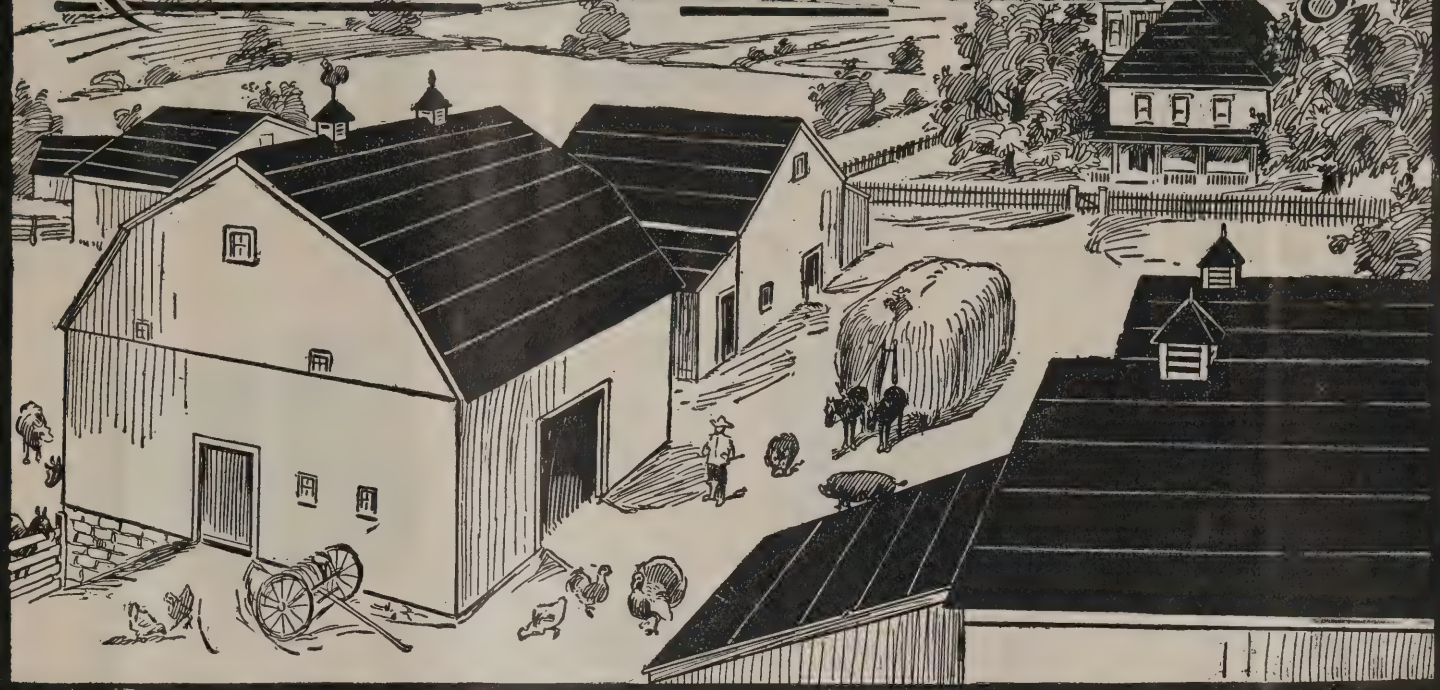
This roofing is water proof, weather proof, and hail proof, and is adapted for either flat or steep roofs. One side of the roofing is left with a smooth edge 2 1/2 in. wide free from gravel so that when the lap is made the seams are hardly visible, presenting the appearance of a solid gravel roof.

Not affected by the heat or cold, will not shrink or stretch; contains no tar and does not affect the rain water. It is easily applied, requires no special tools and each roll is complete with large head nails and cement for the laps. Width of roofing, 32 in.

C 245—Burlap Gravel Roofing. Roll containing one square or 108 sq. ft., complete with large head nails and liquid cement for the laps. Weight, 85 lbs. Per roll.....**\$2.95**



ROOFING for ALL Buildings



M. W. & Co. Ready Roofing

100 Square Feet (2-ply) for 64c

This roofing is **reliable**, will give **satisfactory service**, and with proper care will last as long as an ordinary building.

No Other Roofing Will Give Equal Satisfaction at Anywhere Near This Price

A good indication of the real value of this Roofing is shown by the enormous and constantly increasing sales.

Montgomery Ward & Co. Ready Roofing is made from extra selected long fibre wool felt, thoroughly saturated with an insoluble waterproof composition, making a solid, flexible fabric, absolutely waterproof. Width of roofing, 32 inches.

Cheaper and Better than Shingles

We have this roofing felt made for us in large quantities, which enables us to market it at a very low price. Only the best of stock is used in its construction. It is a strictly high grade material and makes a most desirable and economical roof. Its application requires no skilled mechanic, as any one of ordinary ability can lay the roof in a satisfactory manner. It does not affect the rain water, can be used in any climate, and is adapted to all kinds of roofs. It is not affected by steam, gas or acids, resists fire better than a tin roof, and when properly coated with our roofing cement and given reasonable care will last as long as an ordinary building.

The only tools necessary are a jack-knife, hammer and a brush. Makes the cheapest roof in its first cost, and involves little or no expense to maintain. Can be used over old shingles, but before applying sweep the shingles off clean and nail down all that are loose or badly warped, and avoid walking on the roof as much as possible. Put up in rolls containing 108 square feet, which, allowing for laps, will cover one square or a space of 100 square feet.

This roofing is now in use and giving perfect satisfaction in almost all sections of the world; but in an extremely hot climate it sometimes happens that the composition will partly run off and disfigure the paint on a building.

We therefore do not recommend it for a dwelling or painted building in the extreme Southern States or in Tropical Countries.

For these localities, we do, however, recommend our "Lakeside" and "Atlas" roofings. During the past few years there have been a number of cheap brands of roofing put on the market which will be found to be light weight, made of poor stock and generally worse than worthless.

We do not intend to compete in price with inferior material of this class, and propose to maintain the same high standard of excellence which has given our roofing its enviable reputation, as testified by our tremendous sales each year. Guaranteed to give satisfaction.

To properly apply it requires for each roll or square 1 1/2 lb. tin caps (C 300), 1 lb. of nails (C 304 etc.) and 2 gallons cement (C 270 etc.)

C 262—Two-ply Ready Roofing, weight about 45 pounds per roll. Price for felt only 64c

C 263—Three-ply Ready Roofing, weight about 70 pounds per roll. Price for felt only 89c

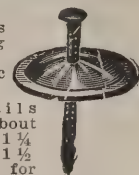
Per roll 89c
Don't forget to order Caps, Nails and Cement when you order this Roofing. See quotations on this page. Samples of our Roofing sent free.

ROOFING CAPS.

C300—Tin Roofing Caps—each square of roofing requires 1 1/2 lb. caps. Per lb.5c

ROOFING NAILS.

Wire Roofing Nails (barbed). It takes about one pound of 1 in. or 1 1/4 in. nails, and about 1 1/2 lbs. of 1 1/2 in. nails for each square of roofing.
C 304—Length 1 in. Per lb. \$0.04
Per keg (100 lbs.) 3.35
C 305—Length 1 1/4 in. Per lb. .04
Per keg (100 lbs.) 3.25
C 306—Length 1 1/2 in. Per lb. .03 1/2
Per keg (100 lbs.) 2.95



Ready
Roof
Coating



The price on this varies according to the quantity desired, the cost of the cask being included in the price of cement. In liquid form, ready to use. Black only.

It requires two gallons of cement for each square of roofing, which is sufficient for two coats. When applying the last coat, before it has become dry, we recommend sprinkling fine sand over the surface, as this will add to the durability of the roof and increase its fire resisting qualities. Approximate weight, 11 lbs. per gallon. Not suitable for metal roofing.

Per gal.
C 270—In bbls., 36 to 50 gal. . 9 3/4 c
C 271—In bbls., 20 to 35 gal. . 10 1/2 c
C 272—In kegs, 12 to 18 gal. . 16c
C 273—In cans, 8 to 10 gal. . 17c
C 274—In cans, 4 to 6 gal. . 20c
C 275—In cans, 3 gal. . 24c
C 276—In cans, 2 gal. . 25c

ROOFING BRUSHES



C 283—Three-Knot Brush, has two brushes in the head. Each 45c

C 282—Two-Knot Brush, has three brushes in the head as illustrated Each 64c



LAKESIDE
REPAIR STICK

ELASTIC STICK CEMENT.

C 315—An elastic compound, in stick form, for mending leaks in all kinds of roofing, tin, iron, felt, slate, tile or shingle, and many other places where leaks occur. Made in black color only Per stick 20c



Directions for Laying Roofing

Where do you generally buy your Roofing?

Let us remind you that you can buy Roofing to your advantage of Montgomery Ward & Co.

Our "Atlas," "Lakeside," "White Rock," and "Burlap-Gravel" Roofings are all high grade Asphalt Roofings of proven merit, while there is no roofing of good quality so inexpensive as our M. W. & Co. Ready Roofing.

You will find our low prices quoted in these pages. Look them over.

HOW TO MEASURE A ROOF SO AS TO ORDER THE RIGHT AMOUNT OF ROOFING

All our prepared roofings come in rolls, each roll containing 108 square feet, or enough to cover 100 square feet of roof and allow for the necessary two inch lap. This roofing is all 32 inches wide and rolls are from 40½ ft. to 41 ft. in length. We sell full rolls only. If your measurement calls for say 970 square feet, order ten rolls, which contain 1000 square feet. Then you are safe.

For a Flat Roof

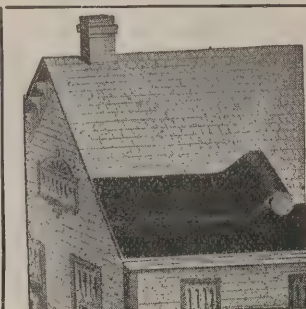
multiply the length by the width, and the result will be the number of square feet to be covered.

For a A Shaped Roof with one-third pitch, multiply the length of building by the width of building, adding width of the eaves, and to this total add one-third.

Or, treat both sides of the roof, from the ridge to the eaves as though each were one flat roof; multiply length by width on each side and add the results together.

Always make allowance for coping, capping, valleys, gutters, around chimneys, etc. Be sure to order enough roofing the first time, as it is better to have a little left over than to run short. You can easily use up what you have left for repairing other roofs.

Our roofing is suitable for any roof, is easily applied, requiring no tools but a jackknife, hammer and brush, and under ordinary climatic conditions will last a long terms of years.



The first Layer in Position

Old Shingle Roofs

can be covered with Felt Roofing and a new life given to a worn-out roof. We recommend the Atlas, Lakeside or Three-ply Ready Roofing for this purpose.

Before covering, sweep the shingles clean of rubbish and nail down securely all that are loose or warped. Use 1½ inch barbed wire roofing nails for securing felt over shingles. Where shingles are badly rotted, it is well to take strips of inch stuff three inches wide, with beveled (not sharp) edges, and nail them to shingles exactly thirty inches apart from center to center. The laps of the roofing will then come on the strips and can be so secured.

Avoid walking on roof as much as possible. Use a ladder fastened at edge.

Directions for Laying Roofing

The roof boards should be of dry lumber and laid close together. They need not necessarily be surfaced or matched. All knot-holes should be covered with pieces of tin and the roof boards swept clean of nails, chips or rubbish.

Cut the roofing to required length, and commence nailing at the eaves or gutter, laying the first piece parallel with the edge, securing the outer edge with wooden cleats or with nails and caps.

Always commence nailing in center of roof and work towards the ends. When nailing from end to end, the felt is liable to become crooked and work off at an angle before row is completed. It is a good plan to mark width of laps with chalk to make sure of same being uniform.



Showing Laps of Felt Nailed

Lap second sheet two inches over the first, thoroughly coating between the laps with our Asphaltum Cement.

Nail every two inches in center of lap. Repeat until roof is covered, being careful to make proper fastenings around chimneys, etc.



Cement Between Lap

Write us and we will send you samples of our roofing by return mail. All samples are cut from our regular stock and not specially prepared for the purpose.

We want you to have actual samples of our roofing, to see them and learn just what we offer you in prepared Roofing.

Then you can judge for yourself which thickness and which brand you prefer for your job, and can figure out just how much our low prices will save you in dollars and cents in comparison with what you are asked to pay elsewhere.

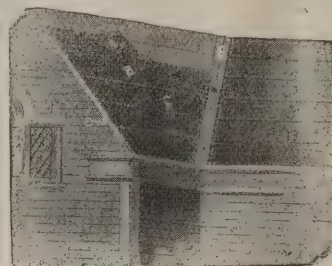
Where a splice is necessary in any part of the roof, the felt should be lapped four inches with the next sheet, thoroughly coating between the laps and putting in two rows of nails.

The ridge of the roof can be capped with an additional layer of felt eight inches wide, properly nailed and cemented. (Cut roofing lengthwise for such strips.)

Care should be taken not to injure the surface of the roofing, all nails, etc., being carefully brushed off and nothing left on the roof that can be stepped on or forced into the felt.

When roof is covered with our M. W.

& Co. Ready Roofing it should immediately be given the first coating unless felt has been wet, in which case wait until it dries. Give one coat of our Asphaltum Roofing Cement, brushing same thoroughly into the felt. The second coat can be applied as soon as the first coat is dry, or any time from a week to two weeks after, as convenient. It should be put on rather thin and quite evenly to insure good work. Sprinkle sharp, clean sand on last coat as fast as it is applied, and before it has had time to dry. Spread on all the sand it will hold.



Showing How to Splice. Also Treatment of Valleys.

- A—Method of unrolling and laying.
- B—Showing lap of top width over lower one.
- C—Showing splice. (Lap 4 inches.)
- D—Fastening with wooden cleat at eaves and gables.
- E—Showing strip of felt in valley.

NOTE.—Lay inside of roll down on sheathing, as shown in illustration.

SHEATHING AND BUILDING PAPERS.

We handle the very best grades of sheathing and building papers and our arrangements with the largest manufacturers enable us to make very low prices.

Our sheathing papers are not suitable for roofing purposes, but are intended to use under shingles, clapboards, floors, etc., and aid greatly in keeping a building warm and dry. They are much more economical and serviceable than plain or tarred straw-board, and their additional cost can be saved in one winter in economy of fuel. We send samples on application.

"LAKESIDE" SHEATHING.

Our "Lakeside" Red Resin-sized Sheathing is made for us of the best of stock, is a tough, clean and durable paper, and we warrant it to be satisfactory. Made in three different weights, but all the same quality. Put up in rolls containing 500 square feet, width 36 inches.

- C 320—Lakeside Sheathing, weight per roll, 30 lbs. 54c
- C 321—Lakeside Sheathing, weight per roll, 35 lbs. 62c
- C 322—Lakeside Sheathing, weight per roll, 40 lbs. 70c

"HERALD" FELT SHEATHING.

C 323—Our "Herald" Brand Tarred Sheathing is made from wool felt thoroughly waterproofed with distilled tar. Clean to handle. Moisture and vermin proof. Guaranteed to unroll freely without sticking. It is air tight, will not shrink or dry out and will withstand all weathers and temperatures. Its first cost is but a little more than the cheapest papers and it lasts so much longer that it is certain economy to use it. Made 32 inches wide, and put up in rolls containing 500 square feet. Approximate weight 45 pounds. Price per roll (500 sq. ft.) ... 80c

BLUE PLASTER BOARD.

"A" Grade.

Blue plaster board is a strong, durable paper used in place of plaster on walls and ceilings. It can be used over boards or fastened direct to the studding, and is the best material made for sheathing or insulating. It is usually applied with small head tacks and then either painted or covered with wall paper. Width of roll 36 inches.

- C 326—Per roll of 500 square feet. Weight, 60 lbs. \$1.95
- C 327—Per roll of 250 square feet. Weight, 30 lbs. \$1.00

BLUE PLASTER BOARD.

"B" Grade.

Blue Plaster Board "B" grade is very similar in appearance to the "A" grade, but is not as firm and tough a quality.

- C 328—Per roll of 500 square feet. Weight, 55 lbs. \$1.10
- C 329—Per roll of 250 square feet. Weight, 27 lbs. 60c

"WOOL" DEADENING FELT.

For use between floors of buildings and adds greatly to the warmth and comfort of a home. Our "Wool" felt is thick and heavy, and the best material of the kind in the market. Put up in rolls 36 inches wide. Nine square feet weigh 1 pound; approximate weight per roll 60 lbs.

- C 330—Per roll \$1.80

ASBESTOS SHEATHING.

C 335—Asbestos Sheathing. Put up in rolls containing 500 square feet, 36 inches wide. Weighs 10 lbs. to 100 square feet. Weight of rolls, 50 lbs. Per roll \$1.95

TARRED ROOFING FELT.

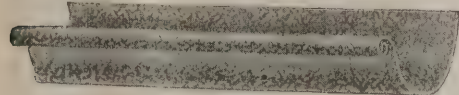
C 338—Used extensively for roofing lumber camps and temporary buildings. Put up in rolls of about 50 lbs. 32 inches wide, and runs about 16 lbs. to 100 square feet. Per roll 98c

Roof Trimmings

In those smaller essentials which go to complete a good roof, such as Eave Troughs, Ridge Roll, Water Pipes, etc., we offer only those made in the best grade of Galvanized Iron, all warranted exactly as represented, and our prices you will find to be remarkably low.

Quality Always Guaranteed

GALVANIZED EAVE TROUGH.

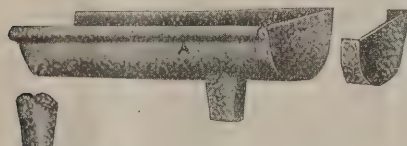


Slip Joints.

C 800—Made of the best grade of galvanized iron in one piece, 10 ft. long without a cross seam. No. 28 gauge. Ends are fitted with patent slip joints, which are quickly put together and require no soldering. Made only in 10 ft. lengths. We can not furnish cut lengths. Sizes given are width of trough inside of bead. When ordering always state whether right or left hand trough is wanted, or send sketch showing position of outlets, etc. Unless otherwise ordered we shall send half right and half left hand trough.

Size	Weight per length	Price per length
Size 3 1/2 in.	weight per length 4 lbs.	.....28c
Size 4 in.	weight per length 4 1/2 lbs.	.....32c
Size 5 in.	weight per length 6 lbs.	.....37c
Size 6 in.	weight per length 6 1/2 lbs.	.....44c

FITTINGS FOR EAVE TROUGH.



(A) shows section of eave trough fitted with drop outlet and slip end cap. (B) shows the slip end cap only. (C) shows drop outlet tube.

With these fittings and our patent slip joint eave trough anyone can easily put up trough and conductor pipe. No soldering necessary.

GALVANIZED END CAPS.

C 980—End Caps, made with slip joint to close up the end of trough. Can be used either right or left hand. See illustration (B).

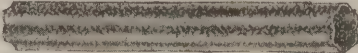
Size, 3 1/2 in.	Each.....5c
Size, 4 in.	Each.....5c
Size, 5 in.	Each.....6c
Size, 6 in.	Each.....7c

GALVANIZED DROP OUTLETS.

C 990—Consists of a short section of eave trough about 6 in. long with a drop outlet soldered in it, as shown in illustration (A), but the end cap is not included, but is sold separately. (See C 980.)

Size, 3 1/2 in., with 2 in. drop outlet.....	9c
Size, 4 in., with 2 in. drop outlet.....	10c
Size, 5 in., with 3 in. drop outlet.....	11c
Size, 6 in., with 4 in. drop outlet.....	12c

CORRUGATED CONDUCTOR PIPE.



Round.

C 885—Made of same grade of galvanized iron as the eave trough. No. 28 gauge, and corrugated to allow for expansion and contraction. Made in 10 ft. lengths without a cross seam. It will not burst even if full of ice. We suggest that you use 2 in. conductor pipe with 3 1/2 and 4 in. eave troughs. Use 3 in. pipe for 5 in. trough, and 4 or 5 in. pipe for 6 in. trough. We do not furnish cut lengths. Price per length

Size, 2 in.	weight per length 4 1/2 lbs.	.....27c
Size 3 in.	weight per length 6 lbs.	.....32c
Size, 4 in.	weight per length 8 lbs.	.....43c
Size, 5 in.	weight per length 10 lbs.	.....54c

EAVE-TROUGH CORNERS

Slip Joints

C 900—Made complete, ready for use, No. 28 gauge galvanized iron. Always state if bead is to be inside or out. Illustration above shows corner with INSIDE bead.

Size, inches.....	3 1/2	4	5	6
Each.....	12c	13c	14c	17c

WIRE EAVE-TROUGH HANGERS.



C 910—For attaching our eave-trough to the roof. Very simple and easily applied. Made of heavy galvanized wire, twisted and formed into a substantial hanger. You will find these hangers made of a heavier wire than those ordinarily found on the market.

Size	3 1/2 in.	4 in.	5 in.	6 in.
Per dozen.....	\$0.11	\$0.12	\$0.14	\$0.16
Per gross.....	1.05	1.10	1.35	1.60

RAIN WATER CUT-OFF

Made of galvanized sheet iron, fitted with safety spring so you can turn the flow of water from one pipe to another.

C 942 —Size, 2 in.	Each.....14c
C 943 —Size, 3 in.	Each.....16c
C 944 —Size, 4 in.	Each.....22c
C 945 —Size, 5 in.	Each.....40c

GALVANIZED FUNNELS.

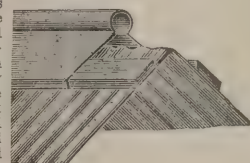
C 995—Made of galvanized sheet steel, and used to run two conductor pipes into one. Sizes given are the diameters of the lower outlet.

Size, 2 in.	Each.....20c
Size, 3 in.	Each.....22c
Size, 4 in.	Each.....27c



GALVANIZED RIDGE ROLL.

Illustration shows method of applying the ridge roll on corrugated iron roof. It is, however, suitable for use on a shingle or almost any kind of a roof. Made in 10 ft. lengths of best grade of galvanized iron, No. 28 gauge, and makes a very neat and inexpensive cap for the roof ridge. We do not furnish cut lengths, and prices do not include the wood strip as shown in illustration.



C 860 —Size of roll 1 1/2 in., width of apron 2 in., weight per length 4 lbs.	Per length.....30c
C 861 —Size of roll 2 in., width of apron 2 1/2 in., weight per length 5 lbs.	Per length.....40c
C 862 —Size of roll 3 in., width of apron 3 1/2 in., weight per length 8 lbs.	Per length.....55c

GALVANIZED ROUND ELBOWS.

Corrugated.



C 890—Corrugated Elbows, made of galvanized iron, in three different angles. Always state kind wanted. Unless otherwise ordered, we shall send No. 3.

Size, inches.....	2	3	4	5
Each.....	6c	7c	9c	16c

C 895—Corrugated shoes, for bottom end of conductor pipe. Made of galvanized iron.

Size, inches.....	2	3	4	5
Each.....	7c	8c	11c	19c



CONDUCTOR HOOKS.

Tinned.

C 920 —For fastening conductor to side of house. Malleable iron, tinned.	
2 in. Per dozen.....	14c
3 in. Per dozen.....	22c
4 in. Per dozen.....	32c
5 in. Per dozen.....	42c

GALVANIZED WIRE STRAINERS.

C 935—These strainers are made of galvanized iron wire, and are used for keeping leaves and similar obstructions from stopping up the conductor pipe. They also prevent birds from building nests in the pipe, and when used, cisterns do not require cleaning as often.

Size, in.....	2	3	4	5
Each.....	4c	5c	6c	8c
Per doz.....	32c	40c	56c	75c



Sheet Metal Roofing

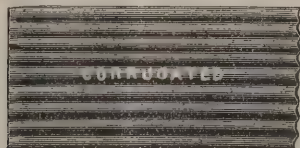
We show the most practical styles of Sheet Steel Roofing, and wish to state that this material is all clean, smooth, and well manufactured stock, free from rough spots, splits and defects of any kind.

Our prices are for 28-gauge steel, this being the thickness in common use. We can, however, furnish heavier weights and shall be pleased

to name lowest quotations on application.

Our painted roofing and siding is covered on both sides with a good coat of best red mineral paint, but should receive an additional coat after being laid. If properly taken care of and painted every three or four years this roofing will last for an indefinite period, and cause little or no annoyance for repairs.

CORRUGATED METAL ROOFING.



Corrugated sheet metal is used for covering sheds, barns, warehouses, etc. It is fireproof, thus holding advantage over other material. It is cheap, light and durable; and will last for an indefinite period if kept well painted. It is already painted red on both sides but should receive an additional coat after being laid.

Made of No. 28 gauge mild sheet steel, in two different size corrugations; 2 1/2 in. and 1 1/4 in., measuring from center to center of the corrugation. The painted roofing weighs about 68 lbs. and the galvanized roofing about 85 lbs. to the square or 100 square feet.

PAINTED CORRUGATED ROOFING.

2 1/2 in. Corrugations.	1 1/4 in. Corrugations.
Length of Sheets	Length of Sheets
Per sheet	Per sheet
C 400 —5 ft.....	C 410 —5 ft.....
C 401 —6 ft.....	C 411 —6 ft.....
C 402 —7 ft.....	C 412 —7 ft.....
C 403 —8 ft.....	C 413 —8 ft.....
C 404 —9 ft.....	C 414 —9 ft.....
C 405 —10 ft.....	C 415 —10 ft.....

GALVANIZED CORRUGATED ROOFING.

2 1/2 in. Corrugations	1 1/4 in. Corrugations
Length of Sheets	Length of Sheets
Per sheet	Per sheet
C 420 —5 ft.....	C 430 —5 ft.....
C 421 —6 ft.....	C 431 —6 ft.....
C 422 —7 ft.....	C 432 —7 ft.....
C 423 —8 ft.....	C 433 —8 ft.....
C 424 —9 ft.....	C 434 —9 ft.....
C 425 —10 ft.....	C 435 —10 ft.....

Prices do not include Nails, Paint or Lead Washers

V-CRIMPED ROOFING.



This roofing is made of mild sheet steel; can be laid over sheathing, old shingles or direct to the rafters, and is suitable for any roof having a pitch of two inches or more to the foot. It can be applied by any one who can drive a nail. No special tool is required for the work.

Made of No. 28 gauge mild steel. The sheets have a covering width of 24 inches after lapping one crimp over the other, and should be nailed through the wooden V-strips which we list below. The painted roofing is red, and should have an additional coat of paint after being laid.

PAINTED V-CRIMPED ROOFING.

Length of Sheets	Per sheet	Length of Sheets	Per Sheet
C 440 —5 ft.....	21c	C 443 —8 ft.....	34c
C 441 —6 ft.....	25c	C 444 —9 ft.....	39c
C 442 —7 ft.....	30c	C 445 —10 ft.....	43c

GALVANIZED V-CRIMPED ROOFING.

Length of Sheets	Per Sheet	Length of Sheets	Per Sheet
C 446 —5 ft.....	38c	C 449 —8 ft.....	61c
C 447 —6 ft.....	46c	C 450 —9 ft.....	69c
C 448 —7 ft.....	53c	C 451 —10 ft.....	76c

Prices do not include Nails or Extra Paint.

WOOD V-STRIPS.

C 480—For V-Crimped Roofing. It takes 50 ft. of wood strips for a square of roofing.

Per 100 lineal feet.....	20c
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ROOFING NAILS.

C 582—Barbed Wire Nails made especially for applying sheet metal roofing. Length 1 1/2 inches.

Per pound.....	1c
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LEAD WASHERS.

C 590—Lead Washers to go under the nail head, makes a tight job and avoids the danger of leaks around the nail hole. Recommended for use with corrugated roofing. There are about 325 washers in one pound and it takes about 1-3 of a pound for a square of roofing.

Per pound.....	16c
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DRY MINERAL PAINT.

C 595—Dry Red Mineral Paint for metal roofing. To be mixed with linseed oil. It requires 1 pound for a square of roofing.

Per pound.....	2c
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Builders' Hardware

The hardware used in the construction of a house as compared to the entire cost of the building is a relatively small item, and it is therefore, as a rule, poor economy to use any of the very cheap locks or trimmings.

There are some contractors who are inclined to give the subject of quality and workmanship but little consideration, because of the fact that after a lock is once placed in the door, it is mostly hidden from view and difficult of inspection.

This is, however, a great mistake, as a poor lock offers but little security, frequently gets out of order, and is usually not worth repairing.

We make it a point to supply high grade goods at low cost. Our locks are substantially made with good springs and strong bolts.

The knobs, escutcheons, and all trimmings are finely finished, and at our low, attractive prices, it should not be considered a saving to use anything except a good quality of hardware.

In order to simplify as much as possible the ordering of Builders' Hardware, we give here a concise description of the various finishes which we carry in stock.

These we designate by letters, such as, A, B, C, D, etc., which arrangement we trust will be of assistance to those not entirely familiar with this class of goods, and enable any one to make an intelligent selection.

For instance, if you desire the "C" finish hardware for your building, you will order the front door locks, inside lock sets, sash locks, etc., all "C" finish, as noted in our catalogue against each item. This will result in your having all the hardware trimmings of one harmon-

ious finish and add greatly to the interior appearance of the house.

We have no particular suggestion to offer regarding the most suitable finishes, as this is a matter of personal choice and depends also on the style and purpose of the building.

The solid bronze goods, naturally, are the most durable and present the richest appearance, but much of our iron and stamped steel hardware is also made in very ornamental designs and in handsome finishes which very closely resemble the genuine bronze hardware.

DESCRIPTION OF FINISHES

Solid Bronze Metal Hardware

A Finish—Natural color, highly polished surface.

B Finish—Natural color, with black background and polished raised surface.

C Finish—Antique copper, dark color, polished and relieved.

D Finish—Antique copper, dull sand surface, relieved.

E Finish—Lemon Brass, polished surface, dull lemon color.

Iron and Stamped Steel Hardware

G Finish—German-bronzed, brown color, not polished.

H Finish—Bronze-plated, with black background, polished raised surfaces to imitate real bronze.

K Finish—Bronze-plated, polished surface, natural color to imitate real bronze.

L Finish—Bronze-plated, to imitate dark antique copper, polished and relieved.

M Finish—Bronze-plated, with dull sand surface to imitate antique copper, not polished.

O Finish—Brass-plated, polished surface, dull lemon color.

CYLINDER FRONT DOOR SET.

(C Finish)

C 40500—Lock Set. Antique copper finish, polished and relieved. Genuine cast bronze trimmings. Set comprises one mortise cylinder front door lock, size $5\frac{1}{2} \times 4$ in., heavy bronze flat front, bolts and strike, easy spring; one bronze cylinder with three gold-plated keys, one pair bronze knobs, $2\frac{1}{2} \times 2\frac{1}{4}$ in., with swivel spindles; one outside escutcheon, size $2\frac{3}{4} \times 10$ in., one inside escutcheon, size $2\frac{1}{4} \times 7\frac{1}{2}$ in. Reversible for right or left and complete with screws. Weight $6\frac{1}{2}$ pounds. Per set.....\$8.32

CYLINDER FRONT DOOR SET.

(C Finish)

C 40690—Lock Set. Antique copper finish, polished and relieved. Genuine wrought bronze trimmings. Set comprises 1 mortise cylinder front door lock, size $5\frac{1}{2} \times 4$ in., flat front, heavy bronze front, bolts and strike, easy spring; 1 bronze cylinder with 3 gold-plated keys; 1 pair bronzed knobs, $2\frac{1}{2} \times 2\frac{1}{4}$ in., with swivel spindle; 1 outside escutcheon, size $2\frac{3}{4} \times 10$ in., 1 inside escutcheon, size $1 \times 2\frac{3}{4}$ in. Reversible for right or left hand doors. Packed complete with screws. Weight $6\frac{1}{2}$ pounds. Per set.....\$5.98

CYLINDER FRONT DOOR SET.

(C Finish)

C 40720—Lock Set. Antique copper finish, polished and relieved. Genuine wrought bronze trimmings. Set comprises one mortise cylinder front door lock, size $5\frac{1}{2} \times 4$ in., flat front, heavy bronze front, bolts and strike; easy spring; one bronze cylinder with three gold-plated keys; one pair bronze knobs, $2\frac{1}{2} \times 2\frac{1}{4}$ in., with swivel spindle; one outside escutcheon, size $3 \times 10\frac{1}{2}$ in.; one inside escutcheon size, $1\frac{1}{4} \times 2\frac{1}{2}$ in. Reversible for right or left hand doors. Packed complete with screws. Weight $6\frac{1}{4}$ lbs. Per set.....\$5.97

CYLINDER FRONT DOOR SET.

(D Finish)

C 40602—Lock Set. Antique copper, sand finish. Genuine wrought bronze trimmings. This set comprises 1 mortise cylinder front door lock, size $6\frac{3}{4} \times 4$; flat front, heavy bronze bolts, front and strike, easy spring; keyhole above knob, bronze hub for $\frac{3}{4}$ swivel spindle; 1 bronze five-pin tumbler cylinder with 3 German silver keys, wrought bronze trimmings, one pair knobs, $2\frac{1}{2} \times 2\frac{1}{4}$ with $\frac{3}{4}$ swivel spindle; 1 outside escutcheon, size $9\frac{3}{4} \times 2\frac{3}{4}$; 1 inside escutcheon with turned knob combined, size $5\frac{1}{4} \times 1\frac{1}{8}$. Operate latch bolt by knobs on both sides; both bolts by single key on outside. Lock bolt by turn knob on inside. The outside knob can be set by stop on face of lock. When ordering always state if for right or left hand door, as lock is not reversible. Per set complete, lock, knobs and escutcheons, with screws. Weight $6\frac{1}{4}$ lbs.\$5.95

CYLINDER FRONT DOOR SET.

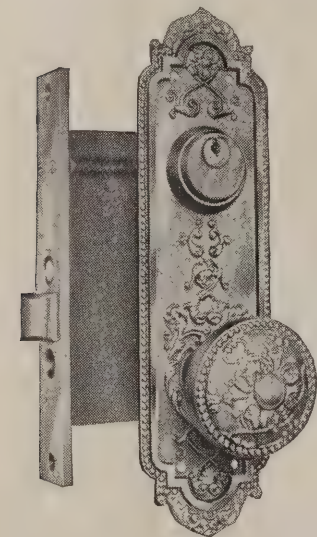
(C Finish)

C 40642—Lock Set, antique copper finish, polished and relieved. Genuine wrought bronze trimmings. Set comprises one mortise cylinder front door lock, $5\frac{1}{2} \times 4$ in., heavy bronze flat front, bolts and strike, easy spring, one bronze cylinder with three gold-plated keys, 1 pair bronze knobs, $2\frac{1}{2} \times 2\frac{1}{4}$ in., swivel spindle, one outside escutcheon $2\frac{3}{4} \times 10$ in., one inside escutcheon, $2\frac{1}{4} \times 7\frac{1}{2}$. Reversible for right or left hand doors. Packed complete, with screws; weight, $6\frac{1}{4}$ lbs. Per set.....\$5.92

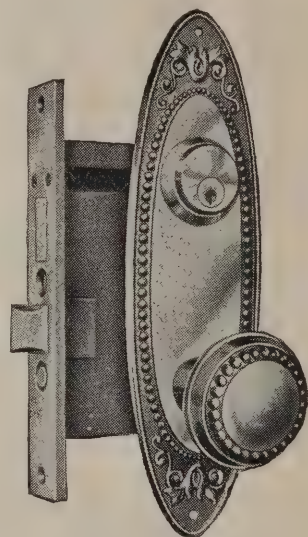
CYLINDER FRONT DOOR SET.

(E Finish)

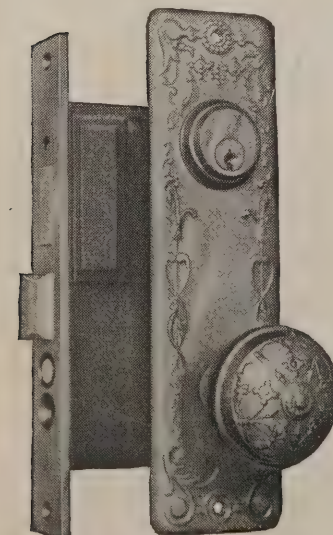
C 40644—Lock Set. Same as described above, with genuine wrought bronze trimmings. Dull lemon brass finish. Per set.....\$5.95



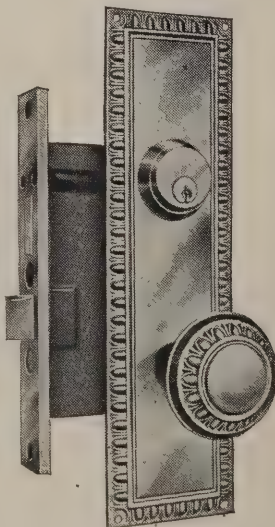
C 40500 Cylinder Front Door Set



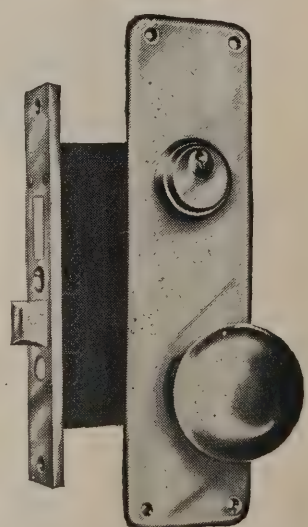
C 40690 Cylinder Front Door Set



C 40602 Cylinder Front Door Set



C 40720 Cylinder Front Door Set



C 40642 Cylinder Front Door Set

STORE DOOR LOCK.

(L Finish)

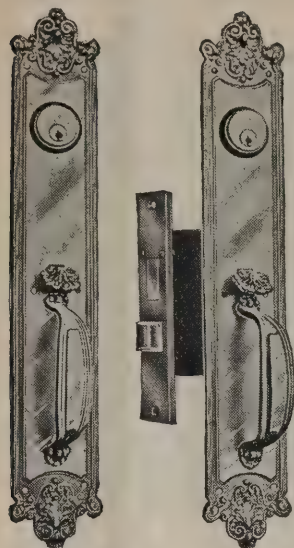
C 41316—Cylinder store door handle and lock, ornamental design, antique copper finish, polished and relieved. Set comprises one mortise store door lock, $5\frac{1}{4} \times 3\frac{5}{8}$ in., bronze bolts, flat front; one bronze cylinder with 3 gold-plated keys; two handles and plates, one for each side of the door; size of plates, $2\frac{3}{4} \times 16$ in.; easy spring. Reversible for right or left hand doors. Packed complete with screws, weight 8 lbs. Per set.....\$4.67

STORE DOOR LOCK.

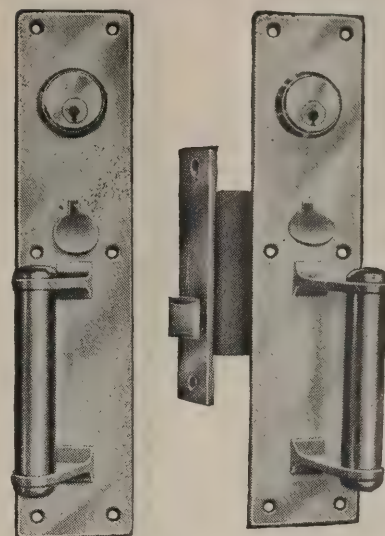
(A Finish)

C 41302—Cylinder Store Lock and handle, solid bronze finish, highly polished. This set comprises 1 mortise cylinder store door lock, size $5\frac{1}{4} \times 3\frac{5}{8}$ in., flat front, bronze bolts, plain bronze front and strike, 2 bronze 5-pin tumble cylinders, 4 German silver keys, 2 oblique bar handles and plates, plates size, $12\frac{3}{4} \times 2\frac{3}{4}$ in. Lock is reversible by taking off cap, for either right or left hand doors. A solid and handsome set. Packed complete with screws. Weight, 7 lbs. Per set.....\$6.92

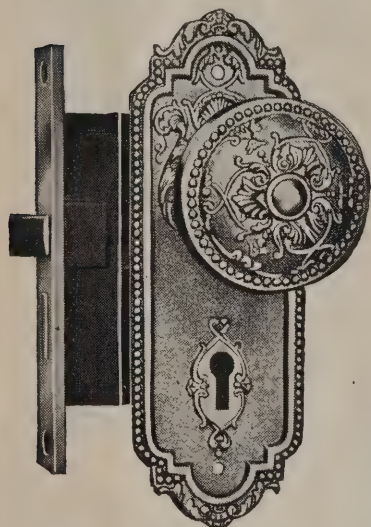
C 41303—C finish. Store door handle and lock. Same size and style as above set, but antique copper finish, polished and relieved. Genuine bronze plate and handles. Per set.....\$7.30



C 41316 Store Door Lock



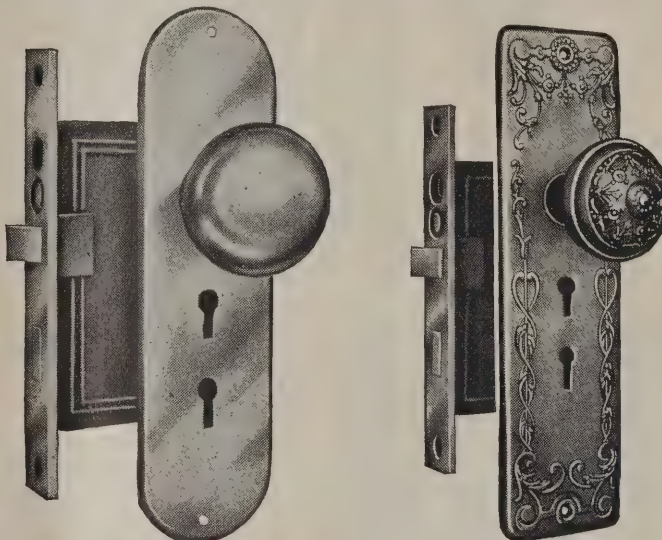
C 41302 Store Door Lock



C 40504 Lock Set for Inside Door

Lock Set for Inside Doors
(C Finish)

C 40504—Set for inside doors. Antique copper finish, polished and relieved. Genuine cast bronze trimmings. Set comprises one mortise lock, $3\frac{1}{2} \times 3\frac{1}{4}$ in.; brass front and bolts, steel key, one pair brass knobs, $2\frac{1}{4}$ in.; two long escutcheons, size $2\frac{1}{4} \times 6\frac{1}{2}$ in. Reversible for right or left hand doors. Packed complete with screws. Weight, $2\frac{1}{2}$ lbs. Per set.....\$1.59



C 40750 Front Door Set

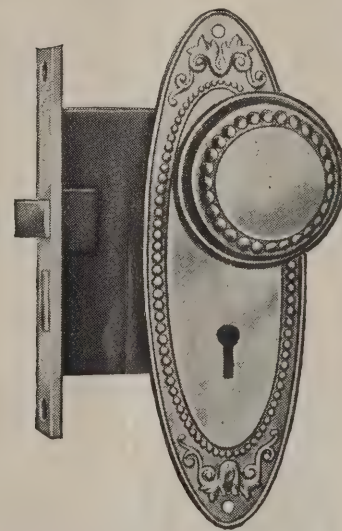
C 40604 Front Door Set

Front Door Set
(C Finish)

C 40750—Lock Set, Antique copper finish, polished. Genuine wrought bronze trimmings. This set comprises 1 mortise front door, size, $4\frac{1}{4} \times 3\frac{1}{2}$ in.; heavy bronze front, bronze bolts and strike, 1 tumbler, 1 lock key and 2 night keys; 1 pair knobs, $2\frac{1}{4} \times 2\frac{1}{4}$ in.; 5-16 swivel spindle with 1 rose, 1 outside rose and escutcheon combined for outside, size, $8\frac{1}{2} \times 2\frac{3}{4}$ in.; 1 key plate escutcheon on inside. Operate latch bolt by knobs from both sides or by night key from outside when stop is set. Lock bolt by key from both sides. Reversible by taking off cap. For right or left hand doors. Weight, 3 lbs. Complete, lock, knobs and escutcheon.....\$1.73

Front Door Set
(D Finish)

C 40604—Lock Set, Antique copper sand finish. Genuine wrought bronze trimmings; set comprises 1 mortise front door lock, size $4\frac{1}{4} \times 3\frac{1}{2}$ in.; heavy bronze front, bronze bolts and strike, 1 tumbler, 1 lock key and 2 night keys, wrought bronze trimmings, 1 pair knobs, $2\frac{1}{4} \times 2\frac{1}{4}$ in.; 5-16 swivel spindle with 1 rose; 1 outside escutcheon, size $9\frac{1}{4} \times 2\frac{3}{4}$ in.; 1 plate escutcheon on inside. Operate latch bolt by knobs from both sides, or by night key from outside when stop is set. Lock bolt by key from both sides. Reversible by taking off cap. Suitable for either right or left hand doors. Complete lock, knobs and escutcheons, with screws. Weight, 3 lbs.....\$1.95



C 40698 Lock Set for Inside Door

Lock Set for Inside Doors
(C Finish)

C 40698—Set for inside doors, Antique copper finish, polished and relieved. Genuine wrought bronze trimmings. Set comprises one mortise lock, $3\frac{1}{2} \times 4\frac{1}{4}$ in., brass front and bolts, steel key, one pair bronze knobs, $2\frac{1}{4}$ in., two long escutcheons, $2\frac{3}{4} \times 7$ inches. Reversible for right or left hand doors. Packed complete with screws. Weight, 2 lbs. Per set.....\$1.15
Per doz. sets.....12.50

Sliding Door Lock Sets

(C Finish)

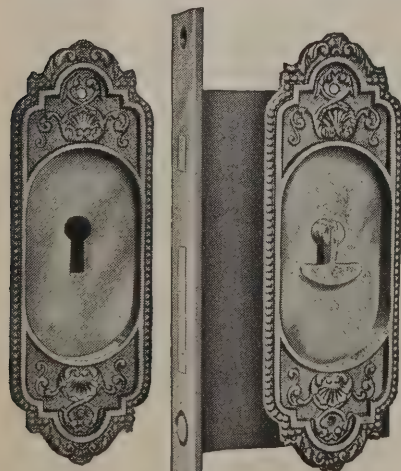
C 40506—For single doors. Flat front, antique copper finish, polished and relieved. Set comprises one mortise sliding door lock, size, $5\frac{1}{4} \times 3\frac{1}{4}$ in., flat, bronze front, strike, bolt, and pull, with key. For doors $1\frac{1}{4}$ to $2\frac{3}{4}$ in. thick; two flush cup escutcheons, size, $2\frac{1}{4} \times 6\frac{1}{2}$ in. Packed complete with screws. Weight, $2\frac{1}{2}$ lbs. Per set complete for single doors.....\$2.40

C 40508—For double doors (C Finish), flat front, antique copper finish, polished and relieved. Same size and style as set above, but has four flush cup escutcheons. Weight, $3\frac{1}{2}$ lbs. Per set, complete for double doors.....\$3.98

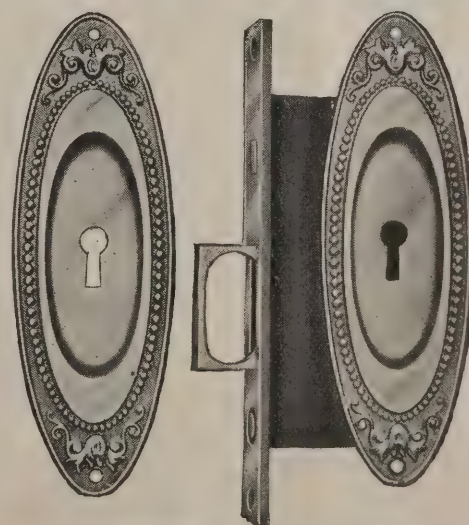
Sliding Door Lock Sets
(C Finish)

C 40702—For single doors, flat front, antique copper finish, polished and relieved. Set comprises one mortise sliding door lock, size, $5\frac{1}{4} \times 3\frac{1}{4}$ inches, flat bronze front, strike bolt and pull with key for doors $1\frac{1}{4}$ to $2\frac{3}{4}$ inches thick; two flush cup escutcheons, $2\frac{3}{4} \times 7$ inches. Packed with screws. Weight, 2 lbs. Per set complete for single door.....\$1.52

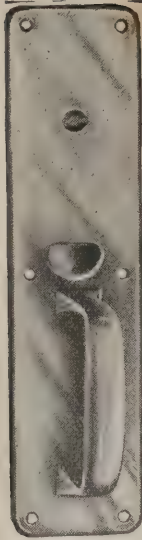
C 40704—For double doors, flat front, antique copper finish, polished and relieved, same size and style as set above, but has four flush cup escutcheons. Weight, 3 lbs. Per set complete for double door.....\$2.43



C 40506 Sliding Door Lock Set



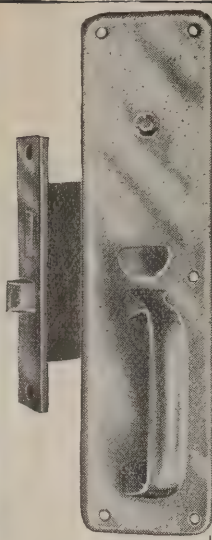
C 40702 Sliding Door Lock Set



C41312 Store Door Lock

Store Door Lock

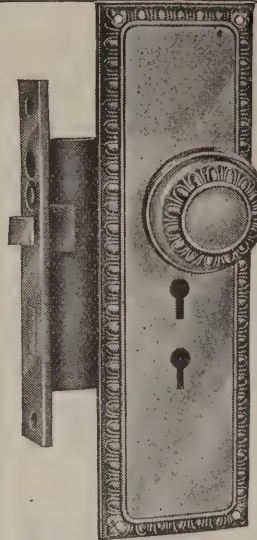
C41312—(L Finish.)—Store Door Handle and Lock. Wrought-steel trimmings, antique copper finish, polished and relieved. Set comprises one mortise store door lock, $4\frac{1}{4} \times 3$ in. flat front; bronze bolts, easy spring, two flat steel keys, two handles and plates, one for each side of the door, size of plates, 3×12 in. Reversible for right or left hand doors. Packed complete with screws. Weight, $4\frac{1}{2}$ lbs. Per set\$2.20



C40530 Front Door Set

Front Door Set
(C Finish)

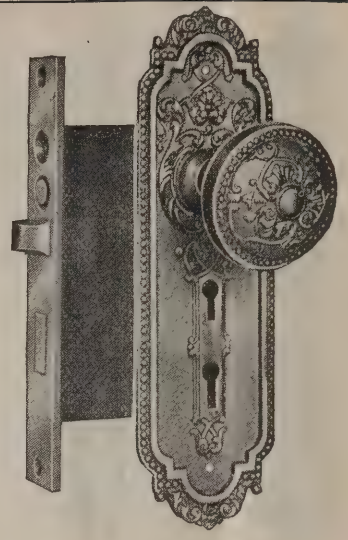
C40530—Lock Set. Antique copper finish, polished and relieved. Genuine wrought bronze trimmings. Set comprises 1 mortise front door lock, $4\frac{3}{4} \times 3\frac{1}{2}$ in. flat front; heavy bronze front, bolts and strike; 1 lock key, 2 night keys; easy spring; one pair bronze knobs, $2\frac{1}{4}$ in., with swivel spindle; 1 outside escutcheon, $2\frac{1}{2} \times 10$ in.; 1 inside escutcheon, $1 \times 2\frac{1}{4}$. Reversible for right or left hand doors. Packed complete with screws. Weight 3 lbs. Per set.....\$1.95



C40724 Front Door Set

Front Door Set
(C Finish)

C40724—Lock set, antique copper finish, polished and relieved. Genuine wrought brass trimmings. Set comprises one mortise front door lock, size, $4\frac{3}{4} \times 3\frac{1}{2}$ in. flat front, heavy bronze front, bolts and strike; one lock key, two night keys, easy spring; one pair bronze knobs $2\frac{1}{4}$ in., with swivel spindle; one outside escutcheon, size, $2\frac{1}{2} \times 8\frac{1}{2}$ in.; one inside rose and escutcheon. Reversible for right or left hand doors. Packed complete with screws. Weight, 3 lbs. Per set.....\$1.75



C40502 Front Door Set

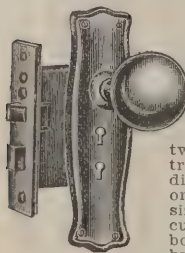
Front Door Set
(C Finish)

C40502—Lock Set. Antique copper finish, polished and relieved. German cast bronze trimmings. Set comprises one mortise front door lock, size $4\frac{3}{4} \times 3\frac{1}{2}$ in. flat front; heavy bronze front, bolts and strike; one lock key, two night keys, easy spring; one pair bronze knobs, $2\frac{1}{4}$ in., with swivel spindle; one outside escutcheon, size $2\frac{1}{2} \times 8\frac{1}{2}$ in., one inside escutcheon, size $2\frac{1}{2} \times 8\frac{1}{2}$ in. Reversible for right or left hand doors. Packed complete with screws. Weight, 3 lbs. Per set\$3.25

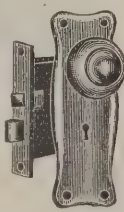
Solid Bronze

Winnetka Design

"C" Finish

Front Door Set
(C Finish)

C40574—Front door lock set, antique copper finish, polished and relieved. Genuine Wrought Bronze trimmings. Set comprises 1 mortise front door lock, size $4\frac{3}{4} \times 3\frac{1}{2}$; heavy bronze front; bronze bolts and strike; 1 lock key and two night keys; wrought bronze trimmings; 1 pair knobs, $2\frac{1}{4}$ in. diameter, $5/16$ swivel spindle with one rose; 1 outside escutcheon, size 10×3 in. and 1 inside escutcheon, $7 \times 2\frac{1}{2}$ in.; operate latch bolt by knobs from both sides or by night key from outside when stop is set; lock bolt by key from both sides. Reversible by taking off cap. Complete with lock, knobs and escutcheons with screws. Weight, 3 lbs. Each.....\$2.52

Lock Set for Inside Doors
(C Finish)

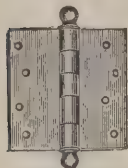
C40578—Set for inside doors. Antique copper finish, polished and relieved. Genuine wrought bronze trimmings. Set comprises: 1 mortise lock, $3\frac{1}{2} \times 3\frac{1}{4}$ in., plain bronze front, bronze bolts, nickel-rolled steel key, 1 pair knobs, $2\frac{1}{4}$ in. diameter, 2 long escutcheons, size $7 \times 2\frac{1}{2}$ in. This is a very attractive, well made and finished set. Packed with screws. Weight, 2 lbs. Per set\$ 1.20
Per doz. sets..... 13.10

Our "Winnetka" design is a new and attractive pattern. It harmonizes nicely with most all kinds of inside trimmings, and is particularly suited for woods finished in the natural color.

Sliding Door Lock Sets
(C Finish)

C40582—For Single Doors. Antique copper finish, polished and relieved. Genuine wrought bronze trimmings. Set for single door comprises 1 mortise sliding door lock, size $5\frac{1}{4} \times 3\frac{3}{4}$, flat wrought bronze front and strike, bronze bolt and pull, with extension key for different thickness doors; distance from front to center of key-hole 2 in.; 2 flush cup escutcheons, size $7 \times 2\frac{1}{2}$ in. With screws. Weight, 2 lbs. Per set, complete, for single door\$1.55

(C FINISH)
C40586—For Double Doors. Same size and finish as above, but has four flush cup escutcheons. Size $7 \times 2\frac{1}{2}$ in. Weight, $2\frac{1}{2}$ lbs. Per set, complete, for double doors.....\$2.48



Steel Door Butts
Polished Antique Copper
C45406—(L finish.) Wrought Steel Loose Pin Butts, L finish, with ball tips, for right or left hand doors; polished antique copper plated, with screws to match. The surface is finely polished, antique copper plated. A strictly high grade butt. Weights range from 4 oz. to 3 lbs. per pair. Per doz. pairs Per pair

Size	Per doz. pairs	Per pair
2 x 2	\$2.64	24c
2 1/2 x 2 1/2	2.84	25c
3 x 3	3.00	26c
3 1/2 x 3 1/2	3.50	30c
4 x 4	3.96	34c
4 1/2 x 4 1/2	4.40	38c
5 x 5	4.90	42c

The above price is with screws to match.

Steel Door Butts
Japanned

Wrought steel. Same style as C45406; loose pin with ball tips, japanned finish and tips, no screws furnished. Weights range from 6 oz. to $2\frac{1}{2}$ lbs. per pair.

C45410—Japanned Steel Butts.

Size	Per doz. pairs	Per pair
2 1/2 x 2 1/2	\$.071	6c
3 x 3	.83	7c
3 1/2 x 3 1/2	.99	9c
4 x 4	1.20	11c
4 1/2 x 4 1/2	1.49	14c
5 x 5	2.04	16c

IF YOU INTEND TO BUILD, consider carefully the merits of our PREPARED ROOFINGS, as against wood shingles.

Our "Atlas", "Lakeside", "White Rock" and "Burlap Gravel Roofings" are all high grade asphalt roofings of proven merit.

MUCH CHEAPER THAN SHINGLES. suitable for any kind of a building, in any climate, and give long and satisfactory service.

Send for free samples. we can save you money.

Our "Lakeside-Elite" Tool
Chest

Every Tool Fully Warranted

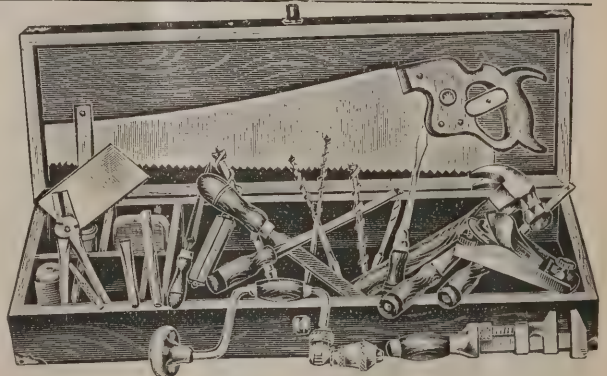
\$830

We have assembled here an assortment of Good Tools, with the idea of supplying a set of dependable tools suitable for the householder or the mechanic. The set contains only such tools as you would have almost every day use for—(no superfluous items)—and each tool is the very best of its class.

Packed in a neat, hardwood chest, of a convenient size, fitted with Brass Corners and padlock.

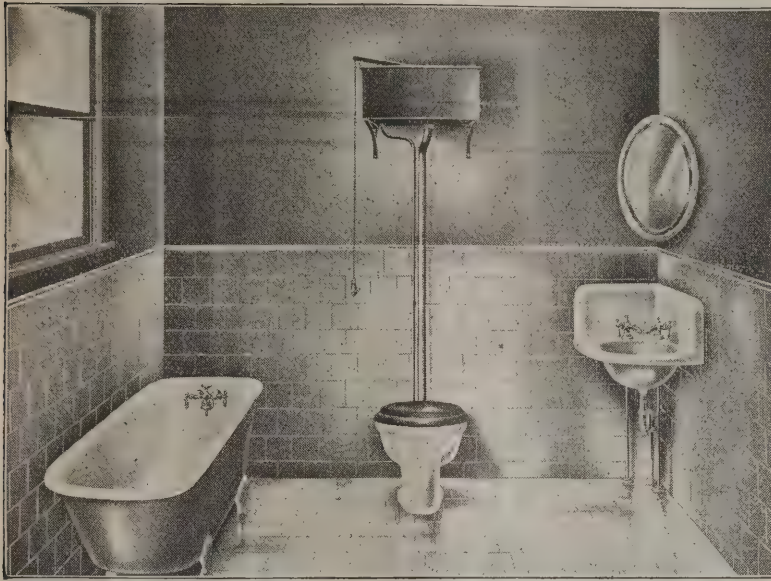
There is nothing cheap about this tool set but the price, which—quality considered—you will find very low. The chest is a handsome piece of furniture, with its Brass Corners and varnished finish, and besides affording room for the tools, it has partitions in one end for nails, screws, etc. Inside dimensions of chest are 27 in. long, 8 in. wide, 4 in. high. Has a saw rack in the cover, and partitions in one end for loose nails, screws, etc. Approximate weight complete, 35 lbs.

- 1 "Lakeside" Hand Saw, 24 in. No. L 8, with skew back.
- 1 "Lakeside" Hammer, crucible steel, nickel plated, octagon face and neck.
- 1 "Lakeside" Block Plane, 6 in. long, 1 1/4 in. cutter, adjustable throat, nickel plated trimmings.
- 1 Ratchet Bit Brace, 8 in. sweep, nickel plated.
- 1 "Perfect Handle" Screw Driver, drop forged steel, 6 in. blade.
- 3 Socket Firmer Chisels, extra quality, beveled edges, with leather tipped handle. One each, 1/4, 1/2 and 1 in.
- 4 Auger Bits, solid center stem, extra quality, fast cutters. One each, 1/4, 3/8, 1/2 and 3/4 in.
- 1 Flat Mill File, 8 in. with handle.



- 1 Gimlet Bit, 2/32 in.
 - 1 Slim Taper Saw File, 5 in. with handle.
 - 1 Starrett's Nail Set.
 - 1 Steel Cabinet Scraper.
 - 1 Monkey Wrench, 10 in.
 - 1 "Lakeside" Cold Chisel, 1/2 in. full polished.
 - 1 Boxwood Rule, 2 ft. Brass bound.
 - 1 Carpenters' Pencil.
 - 1 Can Liquid Glue.
 - 1 Box Assorted Brads, Small Nails, Tacks, etc.
 - 1 Gross Assorted Wood Screws.
 - 100 Assorted Stove Bolts.
 - 1 Spool Soft Steel Wire.
- C39022**—Price, Chest and Tools complete.....\$8.30

Plumbing Goods



There is probably no other line of material that enters into building construction work on which we can save our customers so much money as on plumbing goods.

The policy we adopted several years ago when we first listed plumbing material of selling only the best grade or A quality goods is still in force, and our constantly increasing trade in goods of this character indicates that the public appreciate getting dependable goods at a moderate price.

Buy your plumbing material of us and have some good local plumber install the system.

You will secure a better job than if you let your work by contract and you will save quite a sum by so doing.

Modern Bathroom Outfits

C 15001—Bath Room Outfits. Here is a strictly A quality bath room outfit at a very moderate price.

Bath Tub—The tub is made of heavy cast iron nicely enameled inside and over rim. Comes complete with No. 4 ½ Fuller Combination Bath Cock, offset bath supply pipes and combined Waste and Overflow, plated chain and plug. All of these trimmings are nickel-plated. Length of tub 5 ft., height of tub mounted on legs 23 inches, depth inside 17 ½ inches, width inside 24 inches, width over rim, 30 inches.

Closet—Front wash-out water closet with high flush tank. Comes complete with copper lined oak flush tank, oak seat, and cover, white earthenware wash-out bowl, nickel-plated flush and supply pipes, chain and pull.

Lavatory—Enameled Iron Lavatory to be placed in corner of bath room as shown in illustration. Strictly A quality enameled ware, complete with nickel-plated Fuller basin cocks, nickel-plated S trap with waste to floor and vent to wall, nickel-plated supply pipes, chain and plug. All of the above A quality goods at the low price of\$39.95

Shipping weight about 585 lbs.

Bathroom Outfit

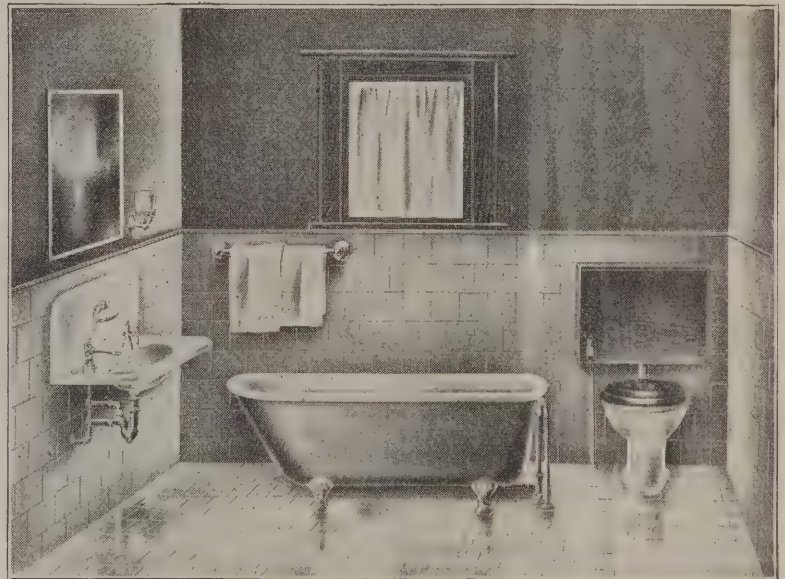
C 15002—Bathroom Outfit, consisting of the following items, all strictly high grade and guaranteed first class.

White porcelain Enameled Bath Tub. Made of heavy cast iron, with large roll rim, handsome and cleanly and will last a life time. Length, 5 feet. Fitted complete with nickel-plated double bath cock for hot and cold water, two nickel-plated supply pipes to floor, nickel-plated combination waste and overflow.

Low Down Closet, complete. Consisting of a syphon wash down bowl of best white, vitreous earthen ware, polished oak seat and lid attached to bowl with heavy nickle-plated off-set hinges; polished oak tank, copper lined, equipped with improved flush valve and fittings; nickel-plated supply pipe to floor. Fully guaranteed.

White Porcelain Enameled Lavatory. Made of heavy cast iron. The slab, back and bowl are white enameled, making a smooth, beautiful finish easily kept clean. Length, 24 in., width, 18 in., height of back, 10 in., size of bowl, 11 in. x 15 in., with patent overflow. Nickel-plated trap with waste and vent to wall. Two nickel-plated Fuller basin cocks, two nickel-plated supply pipes to wall. Plug and chain complete. **Every item is guaranteed strictly high grade.** Our price for this beautiful, modern outfit only....\$44.10

Shipping weight about 620 lbs.



Bathroom Outfit

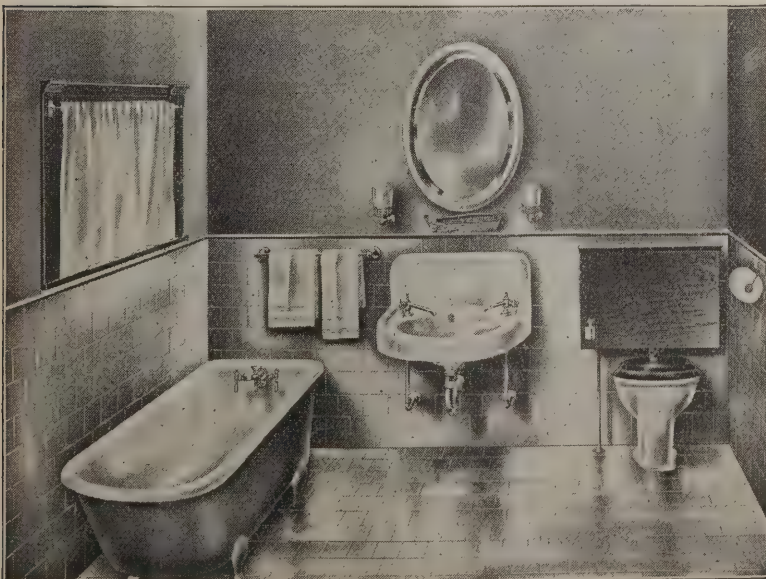
C 15003—Bath Room Outfit, consisting of the following:

Bath Tub. First quality enameled, length 5 ft., complete with No. 4 ½ ft. Fuller Combination Bath Cock, offset bath supply pipes, combined waste and overflow, chain and plug. All of the above trimmings are made of the best quality brass and nickel plated. Height of tub on legs, 23 inches; width over rims, 30 inches; width inside tub, 24 inches; depth inside tub, 17 ½ inches. Porcelain enameled inside and over rims and guaranteed perfect.

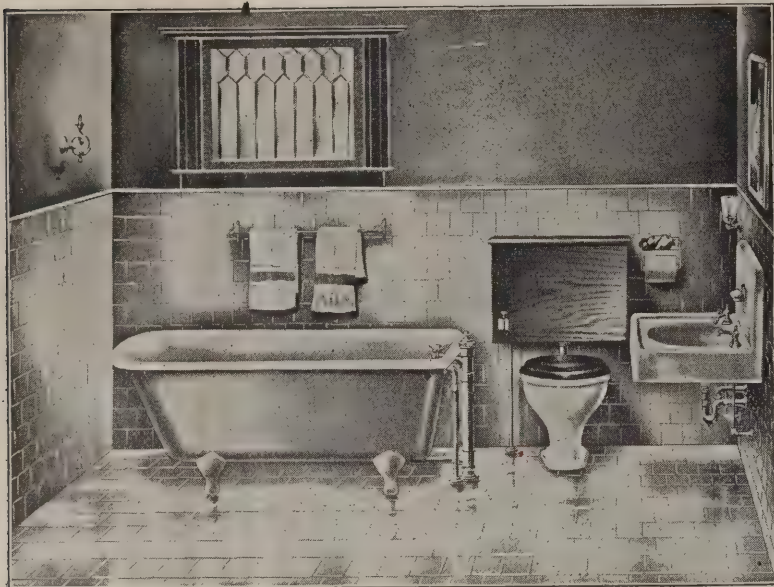
Closet. One syphon Wash Down Water Closet, complete as shown. Has No. 1 Syphon Wash Down earthen bowl perfectly glazed inside and out. Copper lined solid oak flush tank with float valve operated by push on front of tank. Solid oak seat and cover; nickel plated flush and supply pipes.

Lavatory. Modern enameled lavatory with apron as illustrated. Bowl slab and back cast in one piece and porcelain enameled. Length, 21 inches; width, 18 inches; height of back, 8 inches. Oval bowl, 10x14 inches with patent overflow. Comes complete with the following trimmings: Fuller nickel plated basin cocks, nickel plated P trap with waste and vent to wall and nickel-plated wall supply pipes. Price of the three fixtures as illustrated and described. \$43.50

Shipping weight about 630 lbs.



Plumbing Goods—Continued



Bath Room Outfit, C15004

C 15004—Bath Room Outfit. This outfit is one of our leaders as each of the pieces comprising the set are the very latest and best in plumbing materials. Consists of the following high grade fixtures:

Bath Tub. Best quality 5 ft. enameled roll rim bath tub, complete with nickel-plated Ideal waste, nickel-plated Fuller Combination Bath Cock and nickel-plated offset supply pipes. Enameled inside and over rim. Outside of these tubs are left plain as it is customary to paint and decorate tubs after they are set in place. They can then be decorated to harmonize with the color of the bath room. Length over rim, 61 inches; width over rim, 30 inches; height mounted on legs, 23 inches; width inside, 24 inches; depth inside, 17 1/2 inches. First class in every respect.

Closet. Best quality genuine Syphon Jet Water Closet. Complete with best grade of vitreous earthenware bowl, copper lined solid oak flush tank with float valve operated by push as shown, solid oak seat and cover, nickel-plated flush and supply pipes.

Lavatory. Handsome enameled lavatory with apron as illustrated, complete with the following nickel-plated trimmings: Fuller basin cocks, P trap with waste and vent to wall, wall supply pipes with air chamber. Length of slab, 24 inches; width of slab, 18 inches; height of back, 10 inches; size of bowl, 10x15 with patent overflow. The best quality of enameled ware. Price for this modern bath room outfit as shown and described.....\$53.20

Shipping weight about 640 lbs.

Bath Room Outfit, C15005

C 15005—Bath Room Outfit. To those who wish a marble lavatory instead of the white enameled ware we offer the outfit as here shown. Outfit consists of the following items:

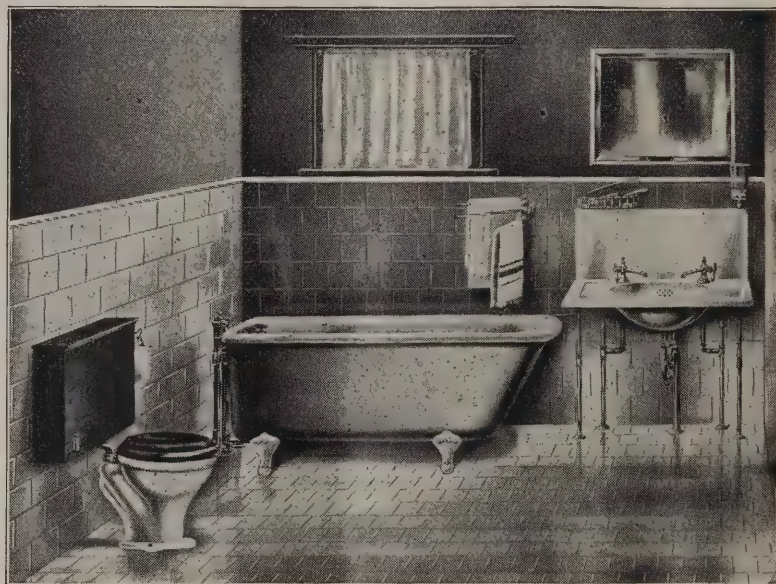
Bath Tub—First quality 5 ft. enameled bath tub complete with Fuller nickel plated combination bath cock, nickel plated offset bath supply pipes and nickel-plated Ideal waste. Dimensions are as follows: Length over rim, 61 inches; width over rim, 30 inches; height mounted on legs, 23 inches; width inside, 24 inches; depth inside, 17 1/2 inches.

Closet—Best quality Syphon Jet Water Closet with low down tank. Complete as follows: Best grade syphon jet earthenware bowl, copper lined solid oak flush tank with float valve operated by push, oak seat and cover, nickel-plated flush and supply pipes.

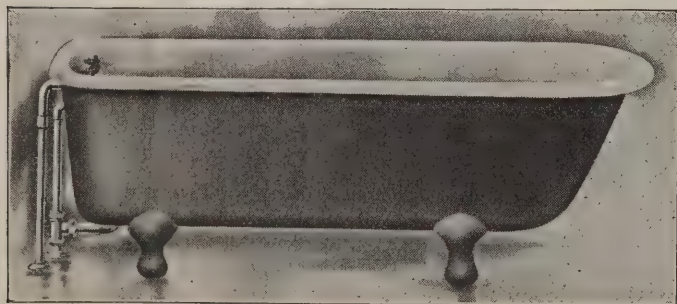
Lavatory—Italian marble lavatory. Lavatory Basin Slab and back are made of best quality white Italian marble, finely polished. Size of marble basin slab is 20x24 inches, height of marble back, 8 inches. Has best quality oval earthenware basin 14x17 inches with patent overflow. Lavatory is supported by handsome nickel-plated lavatory lags. Comes complete with all nickel-plated trimmings as shown—Fuller Basin Cocks, S strap with waste to floor and vent to wall, nickel plated supply pipes with air chamber.

Price of the complete outfit as described.....\$51.30

Shipping weight about 650 lbs.



Porcelain Enameled Bath Tub



Made of heavy cast-iron, white porcelain lined inside with 3-inch enameled roll rim. Plain outside. It is fitted complete with nickel-plated overflow pipe and supply pipes to the floor, as shown in the illustration. A very handsome tub, an ornament to any bathroom, and guaranteed to contain no defects or imperfections. Prices include nickel-plated Fuller Double Bath Cock, two nickel-plated supply pipes to floor, nickel-plated combined overflow and waste connection and rubber stopper. The outside of these tubs is left plain, as it is customary to paint or decorate them after they are set in place; they can then be decorated to harmonize with the color of the bathroom. Width of tubs over rim, 30 in.; width inside, 24 in.; depth inside, 17 1/2 in.; height on legs, 23 in. Waste connection fitted for 1 1/2 in. lead pipe. We handle only the best grade of tubs, and will not try to compete with the second quality goods that are being put on the market. Approximate shipping weight, 400 lbs.

C 15124 —Size of tub, 4 1/2 ft. Length over rim, 55 in.....	Each, Complete
C 15125 —Size of tub, 5 ft. Length over rim, 61 in.....	\$17.88
C 15126 —Size of tub, 5 1/2 ft. Length over rim, 67 in.....	18.88
	21.15

Porcelain Enameled Bath Tub



Made of heavy cast-iron, white porcelain lined inside, with 3-inch enameled rolled rim; plain outside, handsome in appearance, easily kept clean and will last a lifetime. Guaranteed to contain no defects or imperfections. Prices include Fuller bath cock, supply pipes to floor and Ideal waste; all trimmings nickel-plated. The outside of these tubs is left plain, as it is customary to paint or decorate them after they are set in place; they can then be decorated to harmonize with the color of the bathroom. Width of tubs over rim, 30 in.; width inside, 24 in.; depth inside, 17 1/2 in.; height, mounted on legs, 23 in.; fitted for 1 1/2 in. lead pipe.

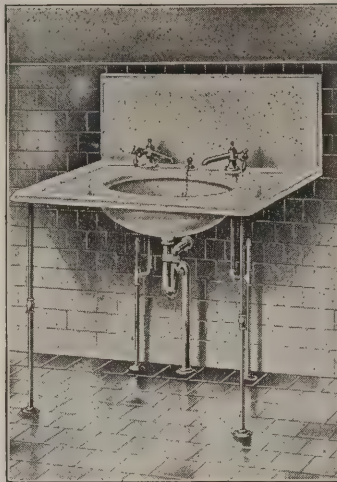
Don't be deceived by the low prices you may see quoted on this line of goods. In every case they are seconds, and the quality of the goods we offer you is far superior in every way. Approximate shipping weight, 400 lbs.

C 15134 —Size of tub, 4 1/2 ft. Length over rim, 55 in.....	Each, Complete
C 15135 —Size of tub, 5 ft. Length over rim, 61 in.....	\$19.88
C 15136 —Size of tub, 5 1/2 ft. Length over rim, 67 in.....	20.85
	23.14

Plumbing Goods—Continued



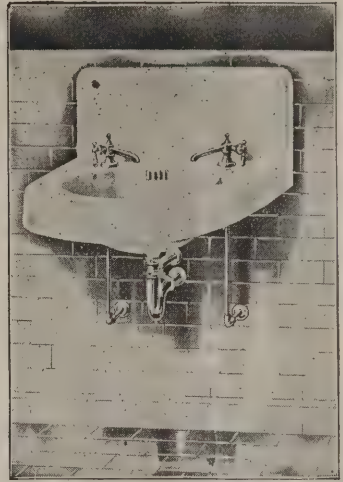
C 15646—White enameled lavatory. Length, 24 in.; width, 18 in.; height of back, 10 in. Size of bowl, 11x15 in., patent overflow. Nickel-plated trap and waste with vent to wall. Two nickel-plated Fuller basin cocks. Two nickel-plated supply pipes. Heavy iron brackets, plug and chain, complete as illustrated. Enameled inside, painted outside. Price **\$13.20**



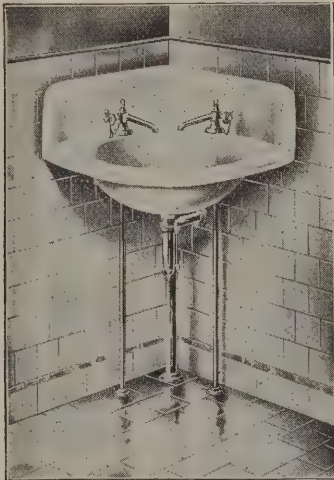
Lavatory in either Italian (white) marble, or Tennessee (pink) marble, finely polished. Size of slab, 20x24 in.; height of back, 8 in. White earthen basin, patent overflow. Two nickel-plated Fuller basin cocks. Two handsome nickel-plated legs. Two nickel-plated supply pipes with air chamber. Nickel-plated trap with waste and vent to wall, chain stay, plug and chain, as illustrated. Approximate weight, 120 lbs.

C 15614—Italian Marble, with 14 in. round basin, complete **\$13.95**
C 15615—Italian Marble, with 14x17 in. oval basin, complete **\$14.80**
C 15616—Tennessee Marble, with 14 in. round basin, complete **\$12.00**
C 15617—Tennessee Marble, with 14x17 in. oval basin, complete **\$14.05**

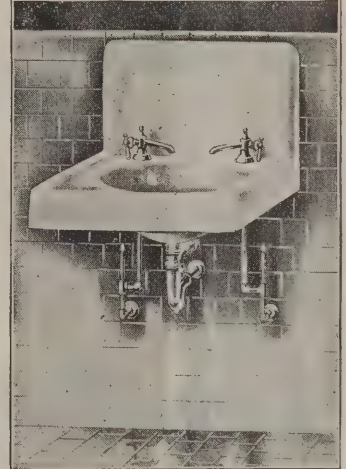
If plain traps are wanted without the vent, deduct 25 cents from the price of lavatories as here given and mention same in your order.



C 15658—White enameled half-circle apron lavatory. Length, 21 in.; width, 18 in.; height of back, 8 in.; size of bowl, 10x14 in., patent overflow. Nickel-plated trap and waste, with vent to wall. Two nickel-plated Fuller basin cocks. Two nickel-plated supply pipes, wall brackets, plug and chain, complete as illustrated. Enameled inside, painted outside. Price **\$13.00**



C 15652—One piece white enameled lavatory. Length on side, 20 1/2 in.; height of back, 6 in. Oval bowl, size 11x14 in., patent overflow. Nickel-plated trap and waste to floor, with vent to wall. Two nickel-plated Fuller basin cocks. Two nickel-plated supply pipes, plug and chain, complete as illustrated. Enameled inside, painted outside. Price **\$9.90**

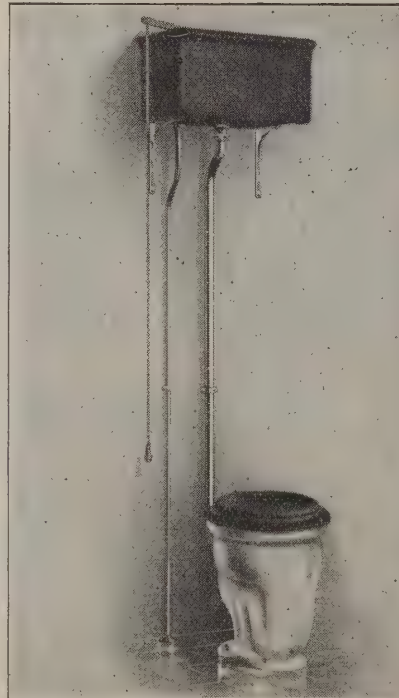


C 15670—white enameled, apron lavatory. Length, 24 in.; width, 18 in.; height of back, 10 in.; size of bowl, 11x15 in. patent overflow. Nickel-plated trap and waste, with vent to wall. Two nickel-plated Fuller basin cocks; two nickel-plated supply pipes with air chamber, wall brackets, plug and chain, complete as illustrated. Enameled inside, painted outside, that is, the top, sides or apron, bowl and back are all white porcelain enameled. Price **\$15.00**



Syphon Wash Down Closet

C 15404—Wash-down Syphon Closet. Bowl is best white, vitreous earthenware with polished oak seat and lid, attached to bowl with heavy nickel-plated hinges. Low down tank of polished oak, copper lined, nickel-plated supply pipe to floor. All handsomely finished and guaranteed perfect. Approximate weight, 100 lbs. Complete. Price.... **\$12.30**



Plain Wash-out Closet

C 15440—Wash-out Closets complete, as shown in accompanying cut, consist of plain front wash-out bowl of best white, vitreous earthenware, with polished oak seat and lid hinged to bowl. Round cornered, hardwood, copper lined tank. Nickel-plated flush and supply pipes. Pull and chain. The entire outfit is handsomely finished, thoroughly practical and guaranteed perfect. Weight, 100 lbs. Complete **\$11.30**

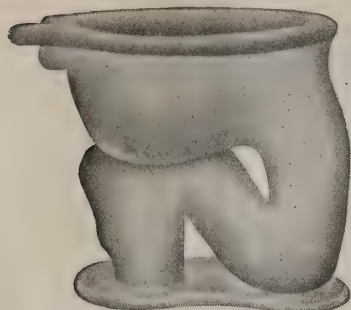


Syphon Jet Closet

C 15416—Syphon jet bowl of best white, vitreous earthenware. Polished oak seat and lid, attached to bowl with heavy nickel-plated offset hinges. Low down tank of polished oak, copper-lined, nickel-plated supply pipe to floor. A slight pressure on the button empties the tank and flushes the bowl perfectly. Handsomely finished throughout, and guaranteed strictly first class. Approximate weight, 120 lbs. Complete. Price **\$15.40**

Washout Bowl

With Seat Attachment



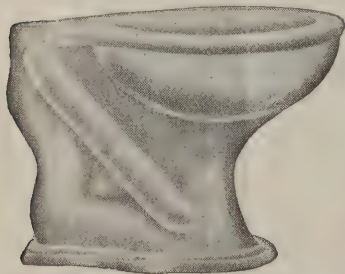
C 15500—Bowl for plain washout water closets. First quality goods with seat attachment and 1 3/4 in. flush spud. Price.....\$4.15

Syphon Wash Down Bowls



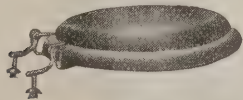
C 15502—Bowl for Syphon Wash Down Closets. First quality goods. Complete with seat attachment and 2 inch flush spud.....\$5.10

Syphon Jet Bowls



C 15503—Syphon Jet Bowls, Bowl for Syphon Jet Closets. Strictly A quality with 2 in. spud. Price...\$8.95

Closet Seats



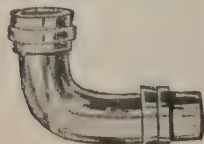
C 15510—Solid Oak Closet Seats with cover. Finished in golden oak and furnished with solid brass nickel-plated offset hinges. Price...\$1.70

Compression Sill Cocks



C 12075—Compression Sill Cocks. Placed on the outside of the building for attaching hose for lawn sprinkling. Made of brass. Size, 3/4 inch. Price, each, nickel-plated.....82c

Slip Joint Elbows



C 15516—Made of brass, polished and nickel-plated. Size, 1 1/4 inch. Price32c

Closet Tanks.



C 15520

C 15520—High flush-tanks for Water Closets. Made of solid oak, lined with copper and supplied with float valve, flush and supply union connections, chain and pull.

Price\$3.60

C 15523—Low tank for water closet. The low type of closet is the modern closet and the

flush tank we offer for this use is the best of its kind. Made of solid oak with oak cover for tank. Has the latest type of flush valve operated by push. Complete with flush and supply pipes. Nicely finished. Price.....\$6.70

In ordering C 15523 state if for Wash Down or Syphon Jet Closet.



C 15523

Nickel Plated Trimmings for Lavatories



C 15530—Plain wall supply pipes for lavatories. Made of heavy brass tubing nickel-plated. Complete with wall flanges. Price per pair\$1.65

C 15530

C 15531—Wall supply pipes with air chamber. Made of extra heavy 3/4 inch brass tubing nickel-plated. Complete with wall flanges. Price per pair\$2.75

C 15531



C 15535—Extra heavy floor supply pipes for lavatories, size 3/4 inch. Complete with floor flanges. Price per pair\$1.20

C 15535

C 15536—Floor supply pipes with air chamber for lavatory use. Comes complete with nickel-plated floor flanges. Per pair...\$2.15

C 15536



C 15540—Plain S trap without vent. Complete with slip joint and floor flange. Price each.....\$1.70

C 15541—Nickel-plated S trap with vent. Complete with slip joint and flanges for floor and wall. Price, each.....\$1.95

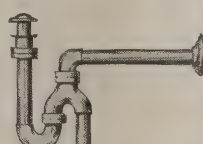
Offset Flush and Supply Pipes.



C 15545—Nickel plated offset flush and supply pipes for high tank water closets.

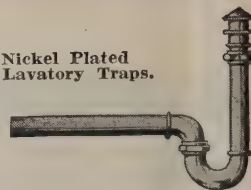
Size 1 1/4 inch flush pipes... Per set
Size 3/4 inch supply pipes \$2.25

C 15540

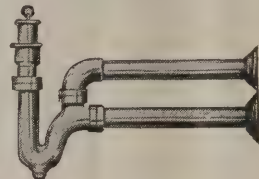


C 15541

Nickel Plated Lavatory Traps.



C 15542—Plain P trap without vent. Complete with slip joint and flange for wall. Price each.....\$1.60



C 15543—Nickel plated P trap with vent. Comes complete with slip joints and also with flanges for wall. Price, each\$1.85

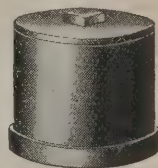
C 15550—Nickel plated combined waste and overflow for bath tubs. Made of brass, nickel plated. Comes complete with slip joint connections and with floor flange. Price\$1.50

C 15552

C 15552—Nickel-plated offset bath supply pipes, made of 1/2 inch brass tubing, nickel-plated. Complete with flanges for floor. Price per pair...\$1.55

Clean Out Plugs

Clean Out Plugs.
Iron ferrule with removable brass cover.
C 17195—Size, 2 in. Price20c
C 17196—Size, 4 in. Price40c



Floor Paints

\$1.00

Per gallon

in all colors

©Interior Floor Paint©

Floor paints must have materials which will resist the constant hard wear to which floors are subjected. In Tower Brand Floor Paints, for inside use, there is combined the most durable, wear-resisting pigments known, ground in tough, elastic oils. This insures a paint that will not show marks, scratches, or heel marks, and one that can be scrubbed or washed without injury, and that dries hard in a very short time with a beautiful high gloss. This is the paint you want for your kitchen floor. Tower Brand Floor Paint covers 250 square feet, 2 coats to the gallon. **Caution**—Do not wash floor before painting.

Colors for Inside Use.

No. 148—Red Brown. No. 151—Slate.
No. 149—Light Brown. No. 153—Yellow.
No. 149 1/2—Red. No. 153 1/4—Light Yellow.
No. 150—Dark Drab. No. 153 1/2—Medium Drab.

Price of Inside Floor Paint

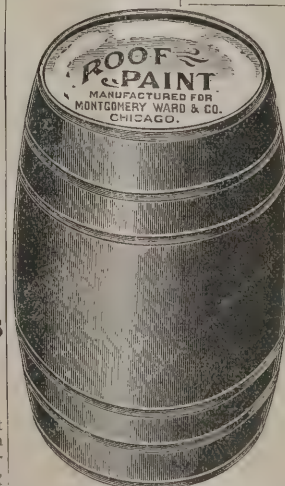
A 9700—1 gal., \$1.00; 1/2 gal., 55c; quarts.....30c
Outside Floor Paint

For outside work on porches, steps, etc., we make a special paint that, in addition to withstanding the wear and tear of constant usage, resists the action of the wind, rain, and weather. Tower Brand Outside Floor Paint is the best and longest lived floor paint made for outside use that can be made. One gallon covers 250 square feet, 2 coats.

Colors are: No. 192, Tan; No. 193, Light Brown; No. 194, Gray, and No. 195, Reddish Brown.

Price of Outside Floor Paint

A 9708—1 gal., \$1.00; 1/2 gal., 55c; quarts.....30c



Ward's Rubber Roof Paint

35c

Per gallon

by the barrel containing 50 gal.

It repairs leaky roofs and is especially adapted for Felt or Composition Roofs, one gallon covers 250 square feet, one coat.

A Superior Black Paint for Iron Fences, Iron or Steel Bridges, Felt Roofs of any kind, Metal roofs of any kind, Muslim Roofs of any kind, Wind Mill Water Tanks made of Galvanized Iron or Tin. This paint will stand expansion and contraction, caused by weather changes without cracking or peeling; will not run in the hottest weather, or crack in the coldest.

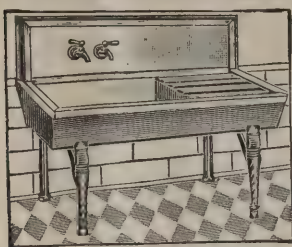
"Ward's Rubber Roof Paint" gives a bright, glossy finish, absolutely sunproof and waterproof, elastic and durable.

It Repairs Leaky Roofs. One of the features of this paint is the repairing of leaky roofs. A leak can be stopped forever by painting the surface over the leak, laying a piece of muslin on, and then coating the muslin with this paint. You then have a patch that is absolutely waterproof. This paint is received all ready to apply. Does not require to be thinned. Thoroughly sweep or scrape surface to be painted before applying.

A 9550—Bbls., 50 gal. each, per gal.\$0.35
A 9551—1/2 bbls., 28 gal., each, per gal.38
A 9552—5-gal. jacket cans, per gal.45
A 9553—1-gal. cans, each50

Enameled Stoneware Kitchen Sinks.

WHITE ENAMELED INSIDE

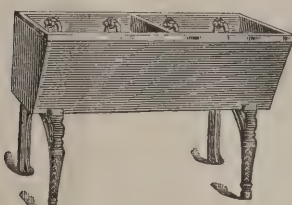


Stoneware Sinks with smooth white enameled inside surface, impervious to grease, clean, and handsome in appearance. Practically everlasting, and we guarantee them for a period of 10 years against leakage from defective material or workmanship or from ordinary use of hot and cold water. We furnish sinks complete as shown in illustration with mosaic back 14 inches high, mosaic drain board, brass strainers and brass connections, two brass faucets for 1/2-in. iron pipe, and painted iron legs. The edge of sink is fitted with patent zinc rims. Measurements are all outside.

Size of Sink Inches	Size of Drain Board Inches	Total Length Inches	Price Complete
C 16470..18x30x7	18x24	54	\$15.80
C 16471..18x36x7	18x24	60	18.00
C 16472..20x36x7	20x24	60	18.50

Please Note—That we supply above sink complete with faucets, brass strainers, etc., that the inside of sink is white enameled, and the back and drain board are mosaic, handsomely polished, not the common stone color.

Stoneware Laundry Tubs



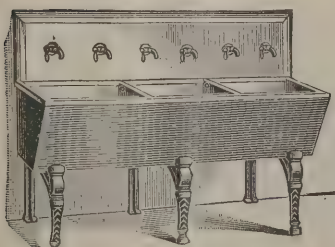
Our tubs are molded and made into one solid piece, with rounded inside corners so that they are easily kept clean. They are harder and stronger than any tub made from natural stone, are strictly sanitary and free from leakage, as they have no joints or seams for dirt or vermin to lodge in. The edges are fitted with a patent zinc rim which adds to the appearance of the tub and prevents damage to the edges. Guaranteed against leakage for a period of 10 years. We furnish the tub with painted iron legs, brass plugs, strainer and waste connection. (Faucets, however, are not included.) Measurements are all outside. Approximate shipping weight, 450 lbs.

Length	Width	Depth	Price without Faucets
C 16632..48 in.	24 in.	16 in.	\$5.70
C 16634..54 in.	24 in.	16 in.	6.50

Stoneware Laundry Tubs

Three-Part Tubs

With High Back.

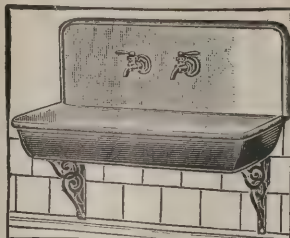


C 16620—Stoneware Tubs, molded and made in one solid piece, with rounded inside corners, and the edges are all protected with a patent zinc rim. Each tub is made with a patent Winger Guard, which consists of a metal flange cast in the end wall and the partitions, affording a safe and secure place to fasten the winger. We furnish the tubs with painted iron legs, brass plugs, strainer and waste connection. (Faucets, however, are not included.) Guaranteed against breakage for a period of ten years. Measurements are all outside. Height of back, 6 inches.

Length	Width	Depth	Price without Faucets
72 in.	24 in.	16 in.	\$12.25

Kitchen Sinks

PORCELAIN LINED.



Roll-Rim Kitchen Sink, made of smooth cast iron, white enameled or porcelain lined inside, and painted outside. A very handsome fixture in any kitchen, easily kept clean and wholesome. Prices include brackets, two 3/4-in. brass faucets, and 12-in. white enameled back as shown.

C 16400—Size, 18x30 in.	Price.....\$ 8.85
C 16401—Size, 18x36 in.	Price..... 9.70
C 16402—Size, 20x36 in.	Price..... 10.25
C 16403—Size, 20x40 in.	Price..... 11.15

Fitted for 1 1/2 in. lead pipe outlet.

Cast-Iron Sinks

PORCELAIN LINED



Cast Iron Sinks, porcelain lined inside, painted on outside, flat rim, fitted for 1 1/2 in. lead pipe outlet.

Size	Weight	Price
C 16442—18x30 in.	38 lbs.	\$2.35
C 16443—18x36 in.	52 lbs.	3.50
C 16444—20x36 in.	56 lbs.	3.95
C 16445—20x42 in.	66 lbs.	5.40

Wrought-Steel Sinks

ROLL EDGES



Made from one plate of wrought steel, without any seams. Have roll rim or edges, adapted for open plumbing, making them strictly sanitary. Are light, strong, and durable.

These enameled sinks are pure white porcelain lined, on the inside, and blue enameled outside. Make a very handsome fixture and easily kept clean. All of these sinks are made 8 inches deep. Prices include brass strainer coupling, fitted for either 1 1/4 in. lead pipe or 1 1/2 in. iron pipe connection. Brackets not included. (For price see C 16565-6.)

C 16500—Painted Steel Sinks with roll edges, painted black inside and outside.		
Size, 16x24.	Weight, 7 1/2 lbs.	\$1.40
Size, 18x30.	Weight, 11 1/2 lbs.	1.61
Size, 18x36.	Weight, 14 1/2 lbs.	1.98
Size, 20x30.	Weight, 13 lbs.	1.89
Size, 20x36.	Weight, 15 lbs.	2.16
Size, 20x40.	Weight, 18 lbs.	2.58
C 16501—Galvanized Steel Sinks with roll edges, thoroughly galvanized inside and outside.		
Size, 16x24.	Weight, 8 1/2 lbs.	\$1.60
Size, 18x30.	Weight, 14 lbs.	1.98
Size, 18x36.	Weight, 16 lbs.	2.35
Size, 20x30.	Weight, 15 lbs.	2.22
Size, 20x36.	Weight, 17 lbs.	2.59
Size, 20x40.	Weight, 20 lbs.	2.95

C 16502—White Enameled Sinks. Wrought steel, roll edges, white enameled on inside and blue enameled on outside. A very handsome finish.		
Size, 16x24.	Weight, 11 lbs.	\$3.22
Size, 18x30.	Weight, 16 lbs.	3.57
Size, 18x36.	Weight, 18 lbs.	4.35
Size, 20x30.	Weight, 18 lbs.	4.30
Size, 20x36.	Weight, 20 lbs.	4.75
Size, 20x40.	Weight, 23 lbs.	5.30

Wrought-Steel Sinks

FLAT EDGES



Made from one plate of wrought-steel, without any seams. Have flat edges, which the carpenter usually finishes off with a hard-wood rim. These enameled sinks are lined with pure white porcelain enamel on the inside and blue enamel on the outside, making a very handsome finish. All of these sinks are made 6 inches deep. Prices include brass strainer coupling, fitted for either 1 1/2 in. lead pipe or 1 1/2 in. iron pipe connection.

connections.			
C 16540—Painted Steel Sinks. With flat edges, painted black inside and outside.			
Size, 16x24.	Weight, 7 1/2 lbs.		\$1.32
Size, 18x30.	Weight, 11 1/2 lbs.		1.62
Size, 18x36.	Weight, 14 1/2 lbs.		1.98
Size, 20x30.	Weight, 13 lbs.		1.85
Size, 20x36.	Weight, 15 lbs.		2.22
Size, 20x40.	Weight, 18 lbs.		2.55
C 16541—Galvanized Steel Sinks. With flat edges, thoroughly galvanized inside and outside.			
Size, 16x24.	Weight, 8 1/2 lbs.		\$1.62
Size, 18x30.	Weight, 14 lbs.		1.97
Size, 18x36.	Weight, 16 lbs.		2.32
Size, 20x30.	Weight, 15 lbs.		2.20
Size, 20x36.	Weight, 17 lbs.		2.58
Size, 20x40.	Weight, 20 lbs.		2.90

C 16542—White Enameled Sinks. Wrought Steel, flat edges, white enameled on inside and blue enameled on outside.

Size, 16x24.	Weight, 11 lbs.	Each..\$3.25
Size, 18x30.	Weight, 16 lbs.	Each.. 3.95
Size, 18x36.	Weight, 18 lbs.	Each.. 4.45
Size, 20x30.	Weight, 18 lbs.	Each.. 4.35
Size, 20x36.	Weight, 20 lbs.	Each.. 4.85
Size, 20x40.	Weight, 23 lbs.	Each.. 5.32

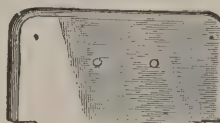
Cast Sink Backs

Cast Sink Backs, white porcelain enameled, 12 inches high, with holes for two faucets; can be used in connection with any of our sinks. Weights 40 to 50 lbs.

	Each
C 16450—Width, 30 inches.	\$1.98
C 16451—Width, 36 inches.	3.10
C 16452—Width, 42 inches.	3.65

Wrought-Steel Sink Backs

WHITE ENAMELED.



Wrought Steel Sink Backs, white enameled roll rim, with two openings for faucets. For use with steel sinks.

C 16520—Width, 24 inches.	Each..\$1.58
C 16521—Width, 30 inches.	Each.. 1.85
C 16522—Width, 36 inches.	Each.. 2.23

Sink Brackets

Sink Brackets are made adjustable so that they will fit ordinary sinks; are fastened to the wall by screws. Weight, 4 lbs. per pair.

C 16565—Painted, pair.....	27c
C 16566—Galvanized, pair.....	40c

Galvanized Iron Range Boilers

All of our Range Boilers are made of galvanized iron, and tested at 200 pounds to the square inch before leaving the factory. Prices are for boilers complete with stand, couplings, and inside tubes.

C 16800—30 Gals., height, 60 in., weight, 72 lbs.	\$5.80
C 16805—35 Gals., height, 60 in., weight, 76 lbs.	\$6.31
C 16806—40 Gals., height, 60 in., weight, 85 lbs.	\$7.02

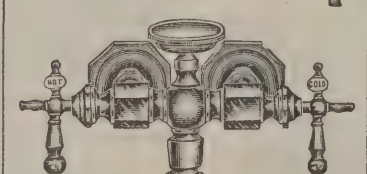
Basin Cocks

C 12200—Compression Basin Cocks, solid brass, nickel plated for jetting pipe connections. Wgt., 1 1/2 lbs. Each.....51c

Basin Cocks

C 12203—Fuller Basin Cocks, made of brass, nickel plated. For lead pipe connections. Weight, 1 1/2 lbs. Each.....74c

Bath Cocks



C 12206—Fuller Combination Bath Cocks with opening for hot and cold water, nickel plated. For lead pipe connections. Weight, 4 lbs. Each.....\$1.82

C 12210—Compression Double Bath Cocks, for hot and cold water, made of solid brass, finely nickel plated. Fitted for 1/2 in. lead pipe, or 3/4 in. iron pipe connections. Weight, 4 lbs. Each.....\$1.86

Faucets for Laundry Tubs

C 16640—Polished Brass Faucets for Laundry Tubs, with brass flange. Threaded for 3/4-inch iron pipe. Each.....73c

Plumbers' "Handy" Force Pump

C 15285—"Handy" Force Pump, with valve, consists of a rubber cup or plunger, with a 3-foot hardwood handle and used for forcing stoppages from waste and drain pipes. Saves the expense of calling in a plumber and does its work quickly and effectually. Weight, 1 1/2 lbs. Each.....34c

Cast Iron Soil Pipe

Cast-iron Soil Pipe, for plumbing, sewerage and green house use, made in 5-foot lengths and coated inside and out with tar. Dimensions given are inside diameter.

NOTICE—Ordinarily, these prices are effective during the life of this catalogue, but in the event of extraordinary fluctuations, we reserve the right to revise our prices.

Will always bill to you at very lowest market rates.

Single Hub



C 17000—Standard.....	2 in.	4 in.
Weight per foot.....	3 1/2 lbs.	6 1/2 lbs.
Price per foot.....	9c	15c
C 17001—Extra Heavy.....	2 in.	4 in.
Weight per foot.....	5 1/2 lbs.	13 lbs.
Price per foot.....	12c	25c

Quarter Bend

C 17012 @—Standard for soil pipe, 2 in., each.....	9c
4 in., each.....	21c
C 17013 @—Extra Heavy for soil pipe, 2 in., each.....	14c
4 in., each.....	28c

Quarter Bend

For Soil Pipe, with 2 in. side inlet, either right or left hand. Always state kind wanted. Illustration shows right hand inlet.

C 17015—Standard 4 in., with 2 in. inlet, each.....	43c
C 17016—Extra heavy, 4 in. with 2 in. inlet, each.....	50c

Quarter Bend

For soil pipe with 2 in. heel inlet.	
C 17020—Standard 4 in., each.....	43c
C 17021—Extra heavy 4 in., each.....	50c

Sixth Bend

C 17024—Standard for soil pipe, 2 in., each.....	10c
4 in., each.....	22c
C 17025—Extra heavy for soil pipe, 2 in., each.....	14c
4 in., each.....	28c

Eighth Bend

C 17028 @—Standard for soil pipe 2 in., each.....	9c
4 in., each.....	21c
C 17029 @—Extra heavy for soil pipe 2 in., each.....	14c
4 in., each.....	28c

Sanitary T Branch

C 17040—Standard for soil pipe, 2x2 in., each.....	14c
C 17041—4x2 in., each.....	37c
C 17042—4x4 in., each.....	40c
C 17044—Extra Heavy for soil pipe, 2x2 in., each.....	22c
C 17045—4x2 in., each.....	53c
C 17046—4x4 in., each.....	54c

Sanitary T Branch

For soil pipe, with 2 in. side inlet. Right or left hand. ALWAYS STATE KIND WANTED. Illustration shows left hand inlet.	
C 17050—Standard, 4x4 in. Each.....	59c
C 17051—Extra heavy, 4x4 in. Each.....	73c

Cast 5 Trap

C 17172—Standard, f o r soil pipe, 2 in., each.....	20c
C 17173—4 in., each.....	43c
C 17174—Extra heavy for soil pipe, 2 in., each.....	30c
C 17175—4 in., each.....	65c

S Trap with Vent

C 17180—Standard, f o r soil pipe, 4 in., with 2 in. vent, each.....	65c
C 17181—Extra heavy for soil pipe, 4 in., with 2 in. vent, each.....	86c

Combination Lead and Iron

Ferrules	
For connecting lead waste pipe to cast iron soil pipe.	
C 17230—Size, 1 1/2 in., for 2 in. cast-iron pipe, 6 in. long. Each.....	24c
C 17231—Size, 1 1/2 in., for 2 in. cast-iron pipe, 6 in. long. Each.....	25c
C 17232—Size, 2 in., for 2 in. cast-iron pipe, 10 in. long. Each.....	36c
C 17233—Size, 4 in., for 4 in. cast-iron pipe, 12 in. long. Each.....	76c

Combination Lead Bends and

Ferrule

For connecting lead waste pipe to cast-iron soil pipe.	
C 17240—Size, 4x12 in. long. Each.....	\$1.10
C 17241—Size, 4x18 in. long. Each.....	\$1.40

Improved Modern Atlas Windsor Cast Furnace For Heating Houses, Stores, Churches and All Buildings

When you are ready to put in a Furnace, get our estimate of the cost before you purchase your outfit. Our Atlas Windsor Furnaces are made and finished throughout by the highest skilled mechanics and are constructed with smooth surfaces, perfect fitting deep cut joints with all parts made to best withstand the strain of the immense heating power of the furnace, also all parts exposed to the direct action of the heat are made extra heavy. We not only save you money in the original cost of your Furnace and outfit but we continue to save you money in the small amount of fuel which you use in order to obtain the required amount of heat.

Our Atlas Windsor Furnaces successfully meet all conditions of fuel consumption and give perfect satisfaction in all kinds of weather and in all climates. Our system of Hot Air Heating and Ventilation is scientific, economical and practical. The proper amount of fresh air is taken up through the cold-air flue and is thoroughly heated before it passes up into the different rooms, thus heating each room evenly in all parts with hot, fresh, live air. Our Atlas Windsor Hot-Air Furnaces, together with all the fittings connected with them, are unequalled for quality, workmanship and durability, while our low prices make them a bargain of marvelous worth.

To secure an estimate on a complete furnace heating outfit, fill in the blank which you will find in the insert sent with this Catalogue. Also make

us a sketch showing the basement, first, second and all other floors of the building to be heated. Send this blank, properly filled in, together with the sketches to us and we will make you an estimate for a complete furnace outfit. This costs you nothing, and we will surprise you by the low cost of such an outfit.

When you place your order with us for a complete outfit we will send you, without charge, a complete set of blue prints showing location of the furnace and also of the pipes, stacks, registers, etc. Also complete directions for installing both furnace and the piping.

Let us quote you on a complete outfit. We can save you money.

CONSTRUCTION

Base Ring is very heavy and is cast in one solid piece. The center of this base ring forms the bottom of the Ash Pit.

Ash Pit is heavy and is cast in one piece, making it firm and durable. It is also very deep and roomy which insures a good circulation of air protecting the grates from burning out. It also allows the large accumulation of ashes and their easy and quick removal.

Grate is very heavy and is made of bars, cast in triangular form. There are four bars and they are so arranged as to have plenty of air space and also to have two sides exposed to the air while the other side is next the fire, thus making these bars very lasting and durable. If necessary any one of these bars can be removed without disturbing the fire or taking out a bolt. With this form of grate construction it is easy to clean out the ashes and other refuse matter from the fire chamber. One or two turns of the shaker handle, and you can readily clear the whole surface of the grate and leave a bright and clear fire.

Dust-flue. At a point just back of the feed door, there is a galvanized iron dust-flue, leading down into the ash pit, which carries off all the dust and light ashes through the combustion chamber when the grates are shaken.

Fire Pot is extra heavy and is made in two sections, deeply corrugated on the outside, which gives it a largely increased radiating surface, and also prevents any warping, cracking or burning out. The upper part of the fire pot is joined tightly to the lower part and all effects of any unequal expansion or contraction is overcome. The Drafts, which can be regulated perfectly by means of chains from the upper floor, admit just enough air to the fuel to secure perfect combustion.

Feed Section (or Combustion Chamber) is made in one piece and is also heavy and deeply corrugated on the outside. It is so constructed that it will consume the greatest amount of the combustible gases which rise from the fire. This saves the wasting of any portion of the products of your fuel and lessens the cost of operation. The design and construction of this Feed Section and Dome Top is such that the air circulates freely and easily over all the heated parts, and becomes more and more intensely heated all the time. The largest portion of this air passes directly over the center of the fire pot (which is the hottest portion of a furnace) and the other portion of air passes between the casing and the outer surface of the radiator. With this style of construction, the air, while being heated is given such force and activity that it readily ascends through the Hot Air pipes to the rooms to be heated. The feed door opening is large and allows the easy feeding of large or small sized fuel. The offset at one side of the feed chute, permits the insertion of a water coil (without any drilling) if desired.

Radiator is constructed of either heavy Cast-iron for use with Soft Coal, Wood or Coke, or of heavy, durable Steel Plate for use with Hard Coal, Wood or Coke. By reason of the design and construction of this Radiator, all the products of combustion are forced to pass around all sides and the top, while all the heat possible is extracted before they are allowed to go out through the smoke exit.

Outer Casing is made of bright Galvanized Iron, lined at the parts exposed to the Hot Air with Asbestos paper. The inner lining, which is made of corrugated iron, leaves an ample air space between it and the outer casing. This prevents the heat being radiated into the basement or cellar and sends it all up, through the hot air pipes, into the house.

Cast Furnace



Scientific
Ventilation

Large Direct
Heating
Surface
With Direct
Circulation of
Air Around
and Over the
Fire Pot.

Perfect
Draft
Control and
Regulation.

Price of Atlas Windsor Furnace, with Cast Radiator, for Use with Soft Coal, Wood or Coke

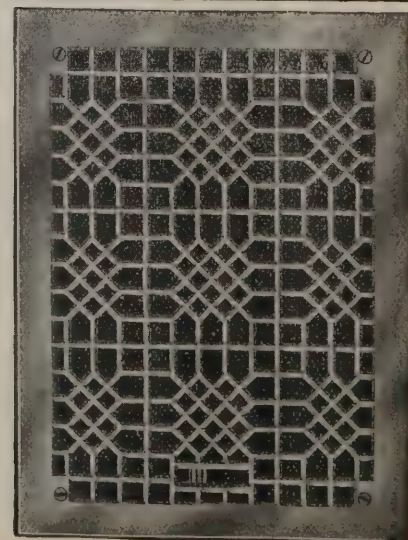
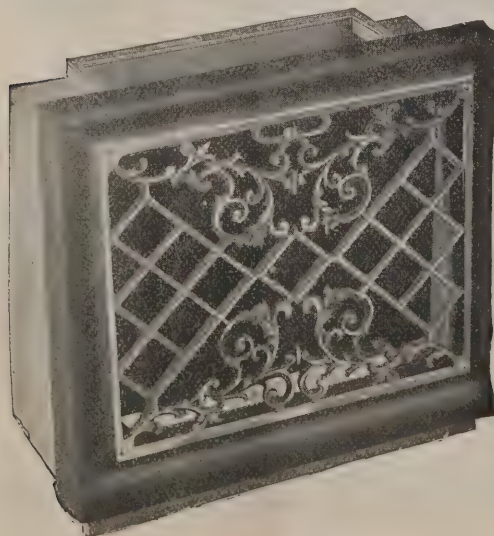
Catalogue Number	Furnace Number	Size Fire Pot	Size Casings	Height Castings	Shipping Weight	Capacity Cu. Ft.	Price complete with Double Casing at foundry near Detroit
CS 21000	220	20	34	42	700	8,000	\$36.00
CS 21010	222	22	40	52	950	15,000	42.50
CS 21020	224	24	44	54	1100	20,000	49.50
CS 21030	226	26	48	56	1300	25,000	58.25
CS 21040	228	28	50	56	1500	35,000	71.00

Price of Atlas Windsor Furnace, with Steel Radiator, for Use with Hard Coal, Wood or Coke

Catalogue Number	Furnace Number	Size Fire Pot	Size Casings	Depth Radiator	Height Castings	Shipping Weight	Capacity Cu. Ft.	Price complete with Double Casing at foundry near Detroit
CS 21100	20	20	34	12	42	700	8,000	\$34.50
CS 21102	22	22	40	14	52	850	15,000	41.00
CS 21112	24	24	44	17	54	1000	20,000	47.50
CS 21120	26	26	48	17	56	1200	25,000	56.25
CS 21130	28	28	50	19	58	1400	35,000	69.45

CS 21150—Water coil, at Foundry, near Detroit.....\$2.25

Illustrations showing Hot Air Registers that we furnish with Furnace Outfit.

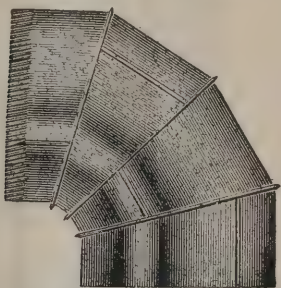


Heating Supplies for the Furnace

Round Pipe



CS 22070—Size, 8-in.	Per ft.	..... 9c
CS 22072—Size, 9-in.	Per ft.	..... 10c
CS 22074—Size, 10-in.	Per ft.	..... 11c
CS 22076—Size, 12-in.	Per ft.	..... 15c
CS 22078—Size, 14-in.	Per ft.	..... 20c

HOT AIR ADJUSTABLE TIN ELBOWS
4 Piece, 90 Degree

CS 22080—Size, 8-in.	Per ft.	..... 15c
CS 22082—Size, 9-in.	Per ft.	..... 16c
CS 22084—Size, 10-in.	Per ft.	..... 18c
CS 22086—Size, 12-in.	Per ft.	..... 32c
CS 22088—Size, 14-in.	Per ft.	..... 50c

GALVANIZED IRON ADJUSTABLE SMOKE ELBOWS

Made of No. 24 Gauge Iron

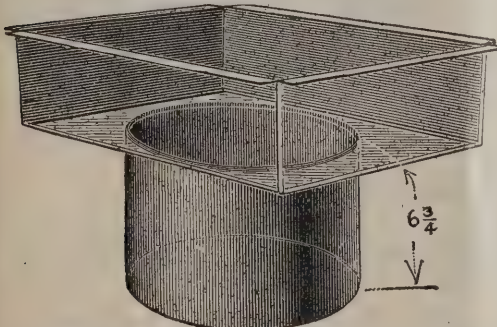
CS 22090—Size, 7-in.	Each	..... 26c
CS 22091—Size, 8-in.	Each	..... 27c
CS 22092—Size, 9-in.	Each	..... 28c
CS 22093—Size, 10-in.	Each	..... 35c

GALVANIZED IRON SMOKE PIPE

CS 22095—Size, 7-in.	Per ft.	..... 14c
CS 22096—Size, 8-in.	Per ft.	..... 15c
CS 22097—Size, 9-in.	Per ft.	..... 16c
CS 22098—Size, 10-in.	Per ft.	..... 20c

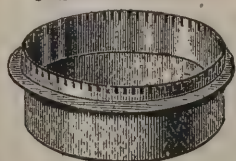
FIRST FLOOR REGISTER BOXES

In Ordering State Size of Round Pipe Which Will Connect With the Box



CS 22100—For 8x10 Register.	Each	..... 20c
CS 22102—For 9x12 Register.	Each	..... 22c
CS 22104—For 10x12 Register.	Each	..... 25c
CS 22106—For 12x15 Register.	Each	..... 33c

CASING COLLARS



Casing Collars are used to connect the round cellar pipe to the outside casing of the furnace.

CS 22110—For 8-in. pipe.	Each	..... 14c
CS 22112—For 9-in. pipe.	Each	..... 16c
CS 22114—For 10-in. pipe.	Each	..... 18c
CS 22116—For 12-in. pipe.	Each	..... 20c
CS 22118—For 14-in. pipe.	Each	..... 25c

HOT AIR DAMPERS

CS 22124—For 8-in. pipe.	Each	..... 11c
CS 22126—For 9-in. pipe.	Each	..... 12c
CS 22128—For 10-in. pipe.	Each	..... 13c
CS 22130—For 12-in. pipe.	Each	..... 20c
CS 22132—For 14-in. pipe.	Each	..... 30c

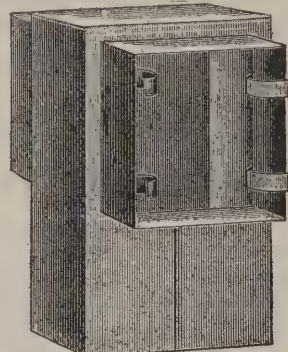
CAST SMOKE DAMPERS

CS 22140—For 7-in. pipe.	Each	..... 17c
CS 22142—For 8-in. pipe.	Each	..... 18c
CS 22144—For 9-in. pipe.	Each	..... 20c
CS 22146—For 10-in. pipe.	Each	..... 24c

DOUBLE SAFETY WALL PIPE OR STACK



CS 22150—Size 3 3/4 x 10 %.	Per ft.	..... 24c
CS 22152—Size 8 % x 12 %.	Per ft.	..... 28c



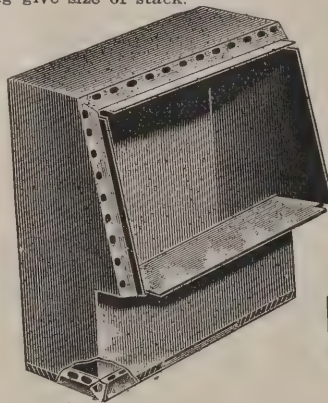
DOUBLE SAFETY STACK HEADS.

For use with Double Safety Wall Pipe. In ordering give size of stack and register.

CS 22160—For 8x10 Register.	Each	..... 55c
CS 22162—For 9x12 Register.	Each	..... 58c
CS 22164—For 10x12 Register.	Each	..... 60c

In ordering give size of stack.

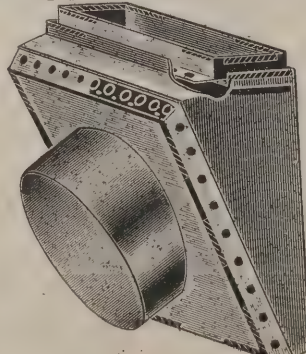
REGISTER BOXES



For special Side Wall Register.

CS 22172—For 8x13 Register.	Each	..... 85c
CS 22174—For 8x15 Register.	Each	..... 86c
CS 22176—For 10x12 Register.	Each	..... 88c
CS 22178—For 12x14 Register.	Each	..... 90c

In ordering give size of stack.

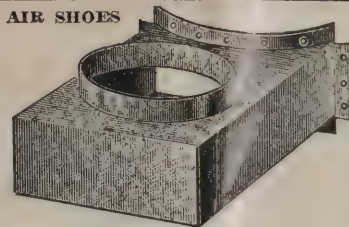


DOUBLE SAFETY STACK BOOTS

Used to connect the Wall Stack with the Round Basement Pipes.

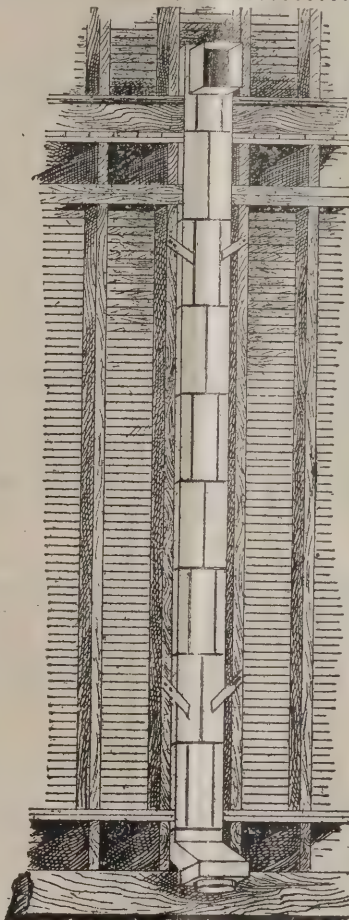
CS 22180—For 3 3/4 x 10 % Stack.	Each	..... 55c
CS 22182—For 8 % x 12 % Stack.	Each	..... 58c

COLD AIR SHOES



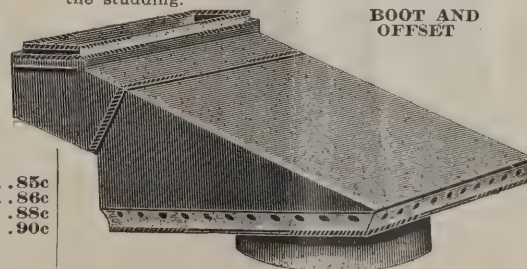
Used to connect the Cold Air Return Pipe to the Furnace.

CS 22186—Price each \$1.50
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This illustration shows Stack, Boot and Stack Head joined together and placed in wall. Note the manner of supporting the Stack by soldering strips of tin to Stack and nailing the other end to the studding.

BOOT AND OFFSET



When there is a wall or girder in the basement directly under the space to be occupied by the Stack, it is necessary to use an offset in addition to the boot. This combination is shown above.

CS 22190—Boot and Offset for 3 3/4 x 10 % Stack.	Each	..... 78c
CS 22194—Boot and Offset for 8 % x 12 % Stack.	Each	..... 82c

In ordering give size of Round Pipe which will connect with the Boot.

The following are approximate shipping weights for articles listed on this page.

Round hot air pipe	2 lbs. per foot.
Adjustable elbows for hot air pipe	2 lbs. each.
Galvanized adjustable elbows	3 1/4 lbs. each.
Galvanized iron smoke pipe	3 lbs. per foot.
First floor register boxes	2 1/4 lbs. each.
Casing collar	1 lb. each.
Hot air damper, 1/2 lb. each.	
Smoke damper	1 lb. each.
Double safety wall pipe per ft.	3 1/4 lbs.
Stack heads, 5 1/4 lbs. each.	
Special side wall register boxes	5 lbs. each.
Boots for double safety stack	5 lbs. each.
Cold air shoe	16 lbs.
Boot and offset	6 lbs.

Steam and Hot Water Heating Systems

Scientifically Designed—Practically Constructed

Steam and hot water have now become recognized as the modern way to heat the home.

In this Twentieth Century age of labor saving devices, nothing has advanced more rapidly or on such thoroughly scientific lines as House Heating and the superiority of Steam and Hot Water Heating over all other methods of obtaining artificial heat, is now universally conceded.

Our Systems of Steam and Hot Water Heating are practical, economical, simple, reliable and satisfactory.

They are the ideal methods of overcoming the winter's cold. They are simple to operate, and can be easily regulated to suit all kinds of weather.

With our Steam and Hot Water Heating Systems there are no cold hallways or corners; no icy drafts from the windows, but

throughout the entire house the even and perfect temperature of a summer's day.

We wish to say that if order is placed with us we will when so requested make a complete working drawing, so that anyone who can cut and thread pipe can install their heating system so that it will give good service.

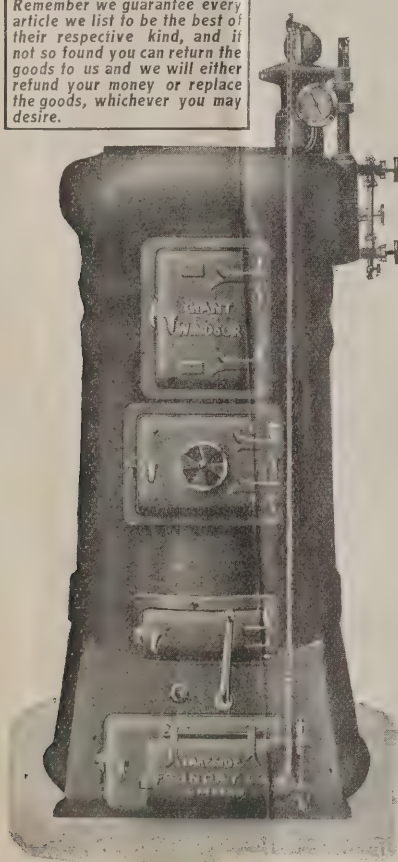
On the following pages we list our new line of Giant Windsor Steam and Hot Water Heating Boilers, also a full line of Steam and Hot Water Heating Supplies.

We are certain if you will look over these quotations and compare them with others you will find that we are listing the highest grade of materials and at prices much lower than any other firm.

Our Systems can be installed in old houses as well as new.

Our Systems Safe and Economical

Remember we guarantee every article we list to be the best of their respective kind, and if not so found you can return the goods to us and we will either refund your money or replace the goods, whichever you may desire.



Our Systems are the best, safest, surest and most economical methods of heating your home. They have many advantages not possessed by others. They cannot set your house afire; they require little care or attention; a very small amount of fuel will keep your entire house warm and comfortable in the coldest weather.

While the first cost of steam and hot water heating is more than that of other methods, yet this small difference is soon made up in the lesser cost of maintenance, to say nothing of the additional comfort you enjoy when your house is heated in the modern way.

Owners will find that they can not only obtain a better job of heating by buying their goods of us, but also by so doing, they will be able to effect quite a saving over what the same outfit would cost installed by contract. Unless unfavorable conditions are met with in building construction, a heating outfit can be installed in the following time. Heating contractors now figure on one day for a man and his helper for each steam radiator and one and one-half days for each hot water radiator to be installed.

Thus a complete steam heating plant for a house with 8 steam radiators should be installed in 8 days, and a complete hot water plant for a house with 8 hot water radiators should be installed in 12 days. Both of the above estimates of time based on one man and one helper being employed.

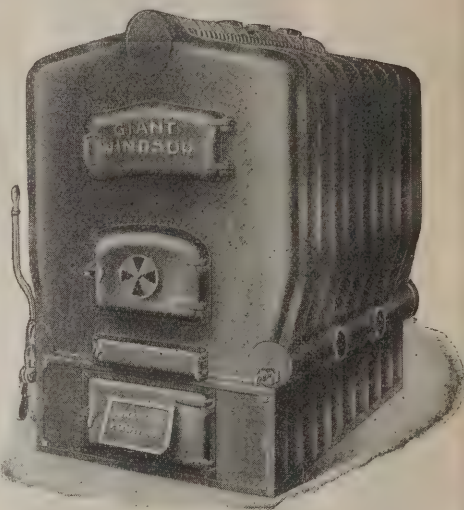
Heating Outfits for Old or New Buildings

If you wish to install one of our Giant Windsor Steam or Hot Water Heating Outfits, give us the full information asked for on our blanks and also draw us a sketch of each floor in your building, remembering that each square on the scale represents one square foot. Then send us these filled in blanks and sketches and upon receipt of this information, we will have our estimators go over them carefully and we will then make you our lowest price on a complete heating outfit delivered to your railroad station. We make no charge for this service and your plans will be promptly returned to you.

Let us quote you on a modern guaranteed outfit, laid down at your railroad station. We can save you money.

Giant Windsor Sectional Boiler

All heating contractors have advised round cast-iron boilers for heating below 1,200 feet of radiation, as round grates are more economical, there being no dead corners for the ashes to lodge, and less pieces or connections to put together. They are also more durable, heating more evenly. Where the heating capacity is very large, round boilers would have to be made too high for ordinary basements or cellars, and we would suggest our sectional boiler, as shown in illustration.



Heating Advice Free

We maintain for your benefit a complete Heating Information Bureau, and any of our customers are at liberty to call upon this department for advice pertaining to their heating requirements.

The people in charge of this division have had many years' experience in all kinds of heating work, and their advice is free to you for the asking.

Write us fully with regard to your heating problem, giving us full data on the subject, and we will be glad to assist you in any way we possibly can. Remember this service is free to you and we invite your inquiries.

Giant Windsor Boilers Stand the Test of Time

Change your HOUSE into a HOME by installing one of our Giant Windsor Steam or Hot Water Heating Systems.

Giant Windsor

Round Steam and Hot Water Boilers

The success which has attended the use of our boilers during the past years has demonstrated beyond question that the principle upon which they are constructed is correct, and the satisfaction which has been expressed in regard to their efficiency and economy has led to an increased demand from all parts of the country.

The greatest care is taken in the manufacture of these boilers. The best quality of iron is used, and special pains taken that the castings should be of an even thickness throughout. Each piece is carefully tested by heavy pressure, and we fully guarantee all castings.

In designing this boiler we had several distinct objects in view, viz.: To furnish a boiler that would be simple in construction, easy to install, economical in consumption of fuel, strong and durable. A study of the illustrations will show how thoroughly these combined objects have been accomplished.

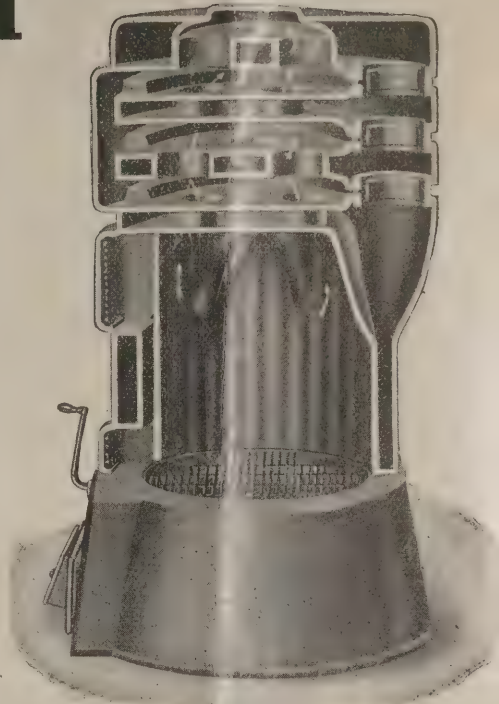
The ratings on these Boilers are for Direct Cast Iron Radiation, and are based on all flow and return pipes and risers being figured as radiating surface, in addition to the direct radiation to be used.

Ratings are based on maintenance of 2 pounds pressure at the boiler for steam, and a temperature of one hundred and eighty (180) degrees Fahrenheit at the boiler for water.

Where pipe coil or cast iron section is introduced into fire pot for heating water for domestic use, additional boiler capacity should be provided on the basis of 1 1/4 square feet direct radiation for Steam boiler and 2 square feet for Water boiler, for each gallon of water, to be thus heated.

These boilers are conservatively rated according to accepted standards, but you should figure 40 per cent higher radiation than is needed to insure economy in operation.

All prices on Round Boilers are free on board cars at foundry near Detroit, Mich., and are subject to change without notice.



**DIMENSIONS AND CAPACITIES OF GIANT WINDSOR
ROUND STEAM BOILER**

Catalogue Number	Diameter of Grate Ring In.	Size of Smoke Pipe In.	Outlets and Inlets Inches	Height to Outlet Inches	Steam Radiation Cu. Ft.	Price Each with Trim-mings
CS 22300	16	6	2x2	53	300	\$ 60.00
CS 22308	19	7	2x2 1/2	54	400	72.00
CS 22312	22	8	2x2 1/2	54	500	88.00
CS 22315	24	9	2x3	56	600	96.00
CS 22320	26	9	2x3 1/2	60 1/2	700	112.00
CS 22322	28	10	2x3	60	800	125.00
CS 22324	28	10	2x4	52	900	141.00

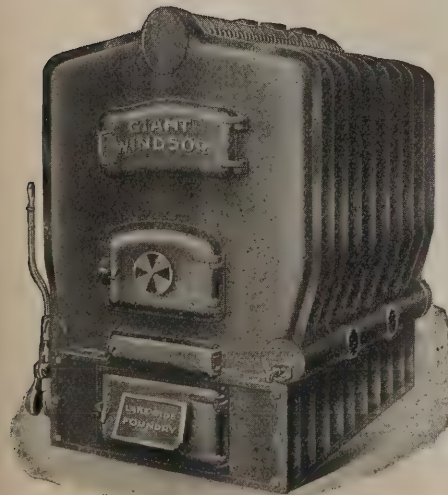
Trim-mings—Steam Gauge and Syphon, Water Column, Water Gauge, Safety Valve, Low Pressure Damper Regulator with Chain, Draw-off Cock, Poker and Scraper.

**DIMENSIONS AND CAPACITIES OF THE GIANT WINDSOR
ROUND HOT-WATER BOILER**

Catalogue Number	Diameter of Grate Rings In.	Size of Smoke Pipe In.	Outlets and Inlets Inches	Height to Outlet Inches	Water Radiation Cu. Ft.	Price
CS 22350	16	6	2x2	48	400	\$ 50.00
CS 22352	18	6	2x2	57	500	55.00
CS 22354	19	7	2x2 1/2	57 1/2	625	65.00
CS 22356	22	8	2x2 1/2	59	725	78.00
CS 22358	24	9	2x3	61	825	87.00
CS 22360	26	9	2x3	61	1000	100.00
CS 22362	28	9	2x3	55 1/2	1150	120.00

Trim-mings—Poker, Scraper and Draw-off Cock.

Giant Windsor Sectional Boiler for Plants Where Extra Large Heating Capacity is Wanted



In the construction of any boiler for steam of 1000 or of hot water of 1300 cubic feet of radiation, or up, is desired, the round boilers become too high and bulky to be of economical service, while with our Giant Windsor Sectional Boilers, you can add as many sections as you desire and thus secure economical heating capacity. On the other hand any sectional boiler in the small sizes by reason of the shape of the fire box is not economical in the consumption of fuel to produce the necessary heat, but in the large sizes, where a large bed of coal can be obtained, they are the most economical style that can be built.

**DIMENSIONS AND CAPACITIES OF GIANT WINDSOR
STEAM SECTIONAL BOILER**

Catalogue Number	Size of Fire Pot Inches	Size of Smoke Pipe In.	Outlet Inches	Inlet Inches	Height to Outlet Inches	Height of Water Line Inches	Steam Radiation Cu. Ft.	Price
CS 22370	27x32	12	1x4	1x3	60	48	1000	\$140.00
CS 22372	27x40	12	2x4	2x3	60	48	1225	160.00
CS 22374	27x48	12	2x4	2x3	60	48	1475	180.00
CS 22376	27x56	12	2x4	2x3	60	48	1725	200.00

**DIMENSIONS AND CAPACITIES OF GIANT WINDSOR HOT WATER
SECTIONAL BOILER**

Catalogue Number	Size of Fire Pot Inches	Size of Smoke Pipe In.	Outlets Inches	Inlets Inches	Height to Outlet Inches	Water Radiation Cu. Ft.	Price
CS 22380	42x32	12	1x4	1x3	60	1400	\$130.00
CS 22382	45x40	12	1x4	1x3	60	1800	149.00
CS 22384	45x48	12	2x4	2x3	60	2200	179.00
CS 22386	45x56	12	2x4	2x3	60	2700	215.00
CS 22388	45x64	12	2x4	2x3	60	3200	243.00

Sample Plan

For Steam Heating Plants

These sample plans will give you a good idea of how easy it is to install one of our **Giant Windsor Steam Heating Plants**. This is only a general plan, but the plan we furnish you is drawn to fit the particular needs of your building, and by following our instructions carefully, this heating plant cannot fail to give perfect satisfaction in every respect. Remember we send you full and explicit directions regarding each and every smallest detail which is necessary to make a perfect and economical installation of our **Giant Windsor Steam Heating Plant**.

Let us quote you before you purchase your heating plant. We can save you money.

Remember Giant Windsor Steam Heating Boilers

ARE THE BEST. If you properly install a Giant Windsor Steam Heating Plant it will give perfect satisfaction. Any handy man can install one of these plants and save considerable expense by doing the work himself. If you purchase a Giant Windsor Steam Heating Plant from us we furnish full directions for Installation with Blue Prints.

Sample Plan

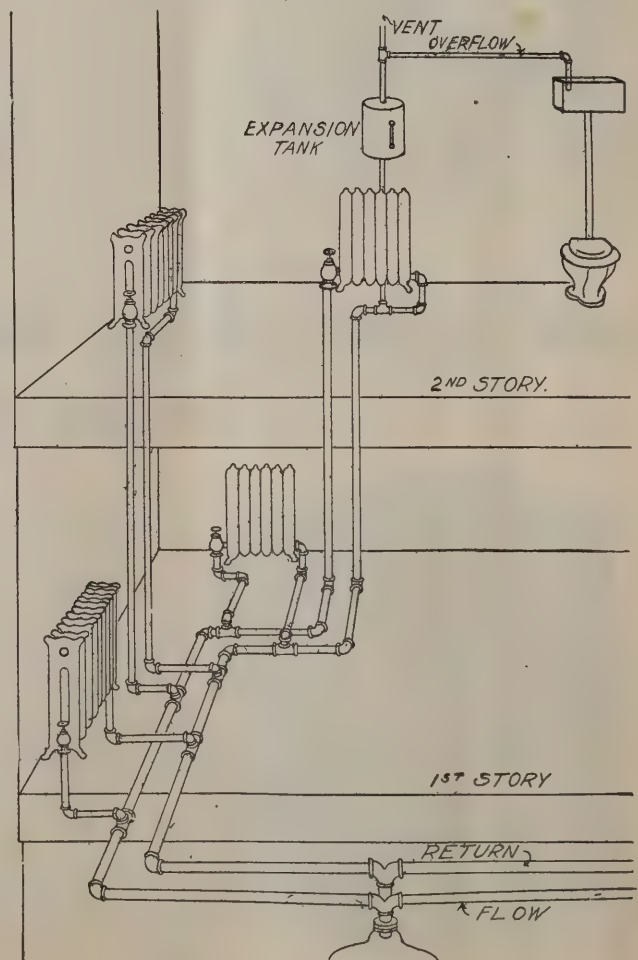
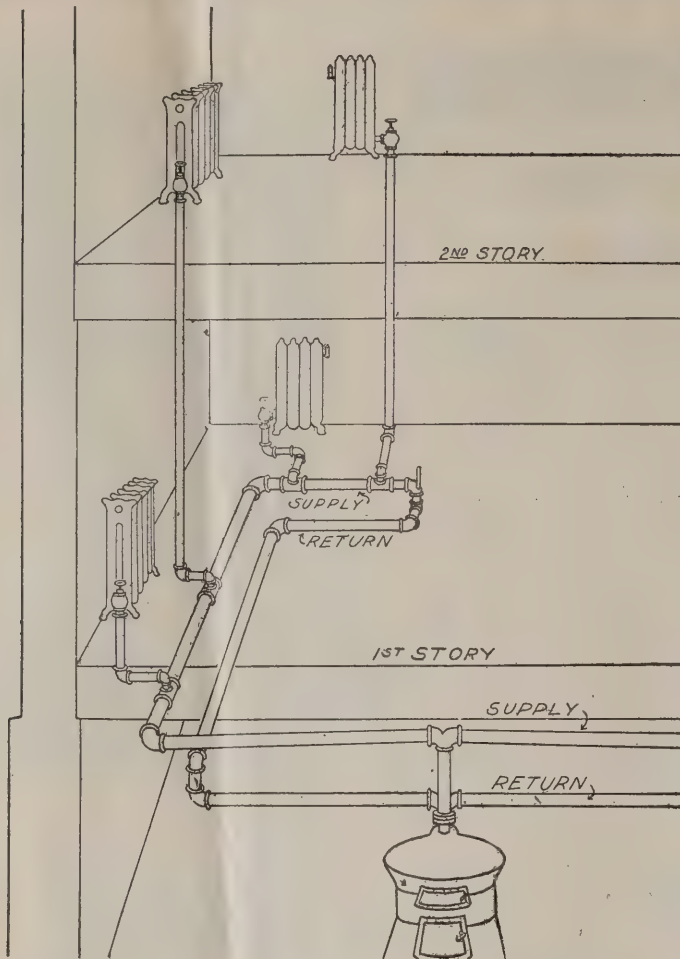
For Hot Water Heating Plant

We furnish the lowest-priced, reliable, high grade Hot-Water Heating Plants that can be installed. Our Giant Windsor Hot-Water Boilers are the latest and most modern as well as practical boilers that can be manufactured. Our engineers are thoroughly skilled in their work and the plans we furnish you will suit the individual needs of your building and prove satisfactory in all respects.

Write us and get our estimate before you purchase a Hot-Water Heating Plant. You will save money and be perfectly satisfied with the results. Remember our Liberal Guarantee stands back of all our Heating Outfits.

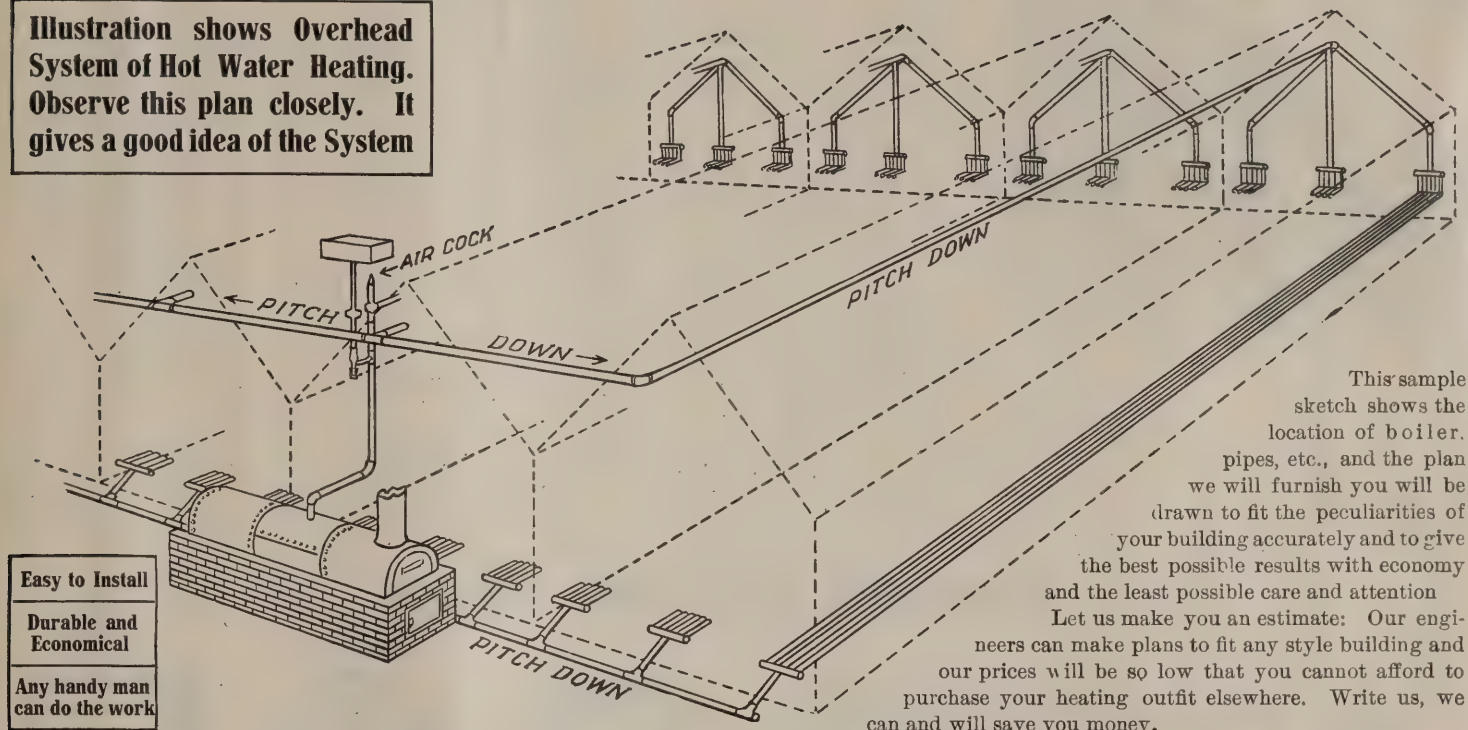
Hot Water Heating

is more adapted for small houses. We are always anxious and willing to fully explain every detail of our Hot Water Heating System. Do not hesitate to write us for estimates which we gladly furnish free of all charge. We want YOU to know all about the Giant Windsor Hot Water Boiler. Think of the comfort that a hot water heating plant will bring to your home.



Sample Plans for Installing and Piping Hot House Plants with Hot Water Heating

Illustration shows Overhead System of Hot Water Heating. Observe this plan closely. It gives a good idea of the System



Easy to Install

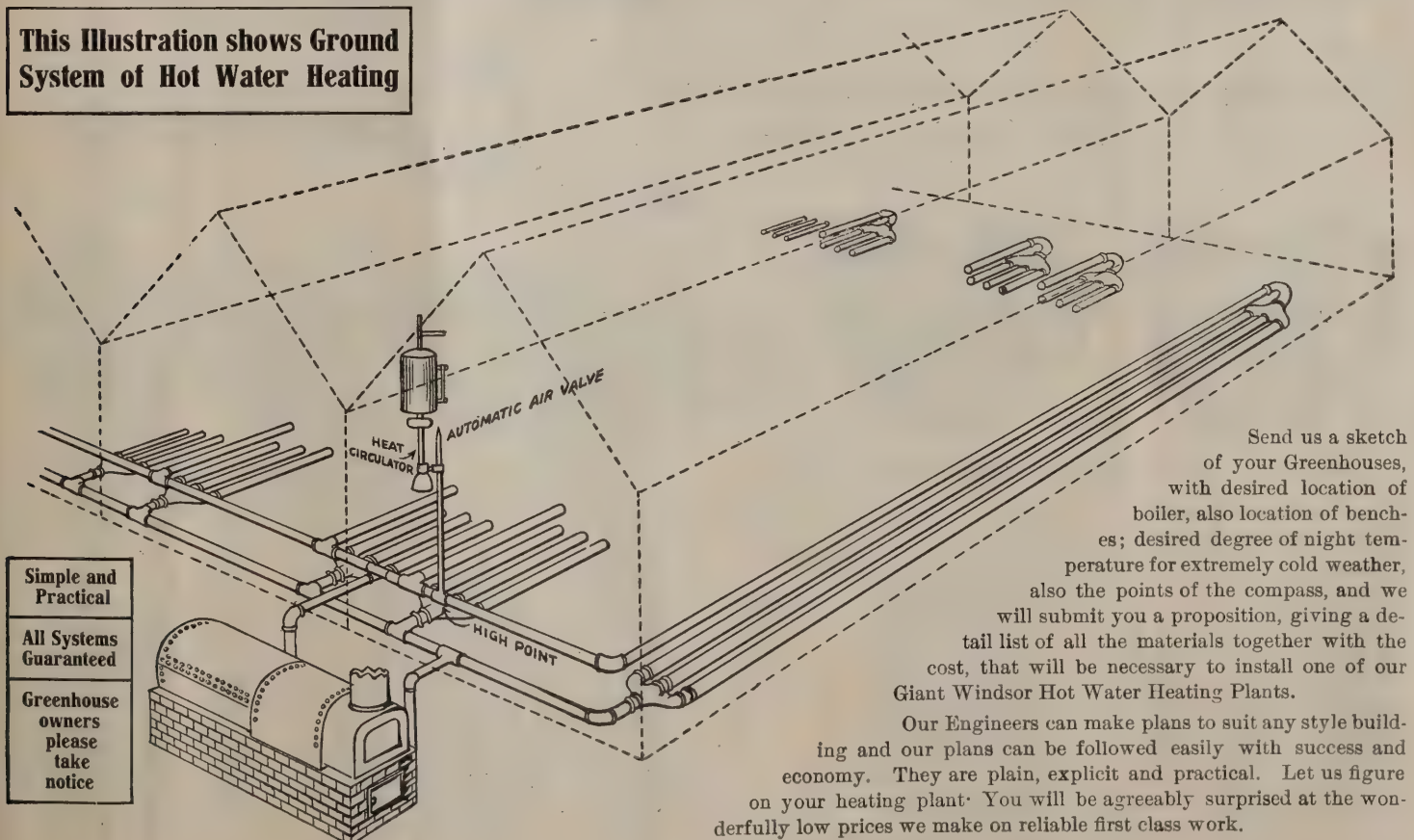
Durable and Economical

Any handy man can do the work

This sample sketch shows the location of boiler, pipes, etc., and the plan we will furnish you will be drawn to fit the peculiarities of your building accurately and to give the best possible results with economy and the least possible care and attention

Let us make you an estimate: Our engineers can make plans to fit any style building and our prices will be so low that you cannot afford to purchase your heating outfit elsewhere. Write us, we can and will save you money.

This Illustration shows Ground System of Hot Water Heating



Simple and Practical

All Systems Guaranteed

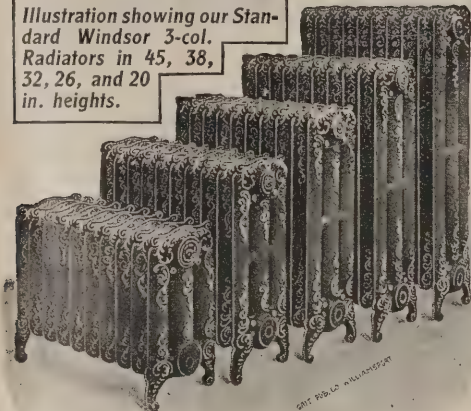
Greenhouse owners please take notice

Send us a sketch of your Greenhouses, with desired location of boiler, also location of benches; desired degree of night temperature for extremely cold weather, also the points of the compass, and we will submit you a proposition, giving a detail list of all the materials together with the cost, that will be necessary to install one of our Giant Windsor Hot Water Heating Plants.

Our Engineers can make plans to suit any style building and our plans can be followed easily with success and economy. They are plain, explicit and practical. Let us figure on your heating plant. You will be agreeably surprised at the wonderfully low prices we make on reliable first class work.

Steam and Hot Water Radiators

Illustration showing our Standard Windsor 3-col. Radiators in 45, 38, 32, 26, and 20 in. heights.



We show herewith our latest patterns in steam and hot water cast iron radiators. They are made of the best grade of iron and are guaranteed to contain the full amount of heating surface as stated. All of our radiators are tested at the foundry at 100 lbs. by hydrostatic pressure, which enables us to send out goods which we know will give satisfactory service.

All prices given on this page are for radiation free on board cars at foundry near Chicago, but we will make you delivered prices to any point upon request.

TAPPING LIST

Unless otherwise specified all radiators will be tapped as follows:

ONE-PIPE STEAM

TAPPING—

25 square feet and under.....	1	inch
Over 25, but not to exceed 60 sq. ft.....	1 1/4	inch
Over 60, but not to exceed 100 sq. ft.....	1 1/2	inch
Over 100 square feet	2	inch

TWO-PIPE STEAM

50 square feet and under.....	1 in. by 3/4 in.
Over 50, but not to exceed 100 sq. ft.....	1 1/4 in. by 1 in.
Over 100 square feet	1 1/2 in. by 1 1/4 in.

WATER

40 square feet and under.....	1 in. by 1 in.
Over 40 but not to exceed 70 sq. ft.....	1 1/4 in. by 1 1/4 in.
Over 70 sq. ft., not to exceed 110.....	1 1/2 in. by 1 1/2 in.

ALWAYS ADVISE IF YOU WISH STEAM OR HOT WATER RADIATION

Height of Section	Square feet of heating surface in each section	Price per square foot of heating surface Steam	Price per square foot of heating surface Hot Water
CS 22425—45 inches	5	\$0.20 1/2	\$0.21
CS 22430—38 inches	4	.22	.23
CS 22435—32 inches	3 1/3	.22 1/2	.23 1/2
CS 22440—26 inches	2 2/3	.27	.28
CS 22445—20 inches	2	.29	.30

Width of section, 7 3/4 inches.

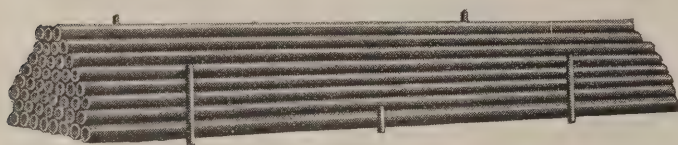
Width of legs, 8 inches.

Distance from floor to center of tapping 5 inches.

All prices for Radiation are subject to change without notice.

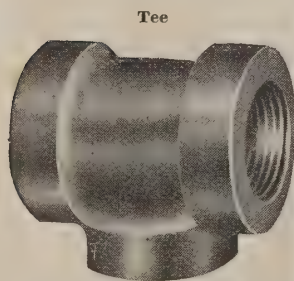
Steam and Hot Water Fittings

Standard Wrought Iron Pipe. For Steam and Hot Water

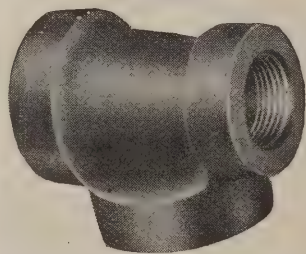


Prices subject to change without notice. Will always bill at lowest market rates. Size of pipe is always determined by its inside diameter. (Not outside.)

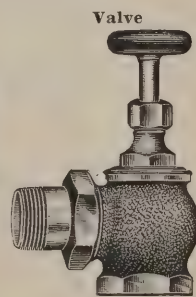
These Fittings are for Giant Windsor Steam and Hot Water Heating Systems



Tee



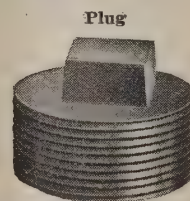
Reducing Tee



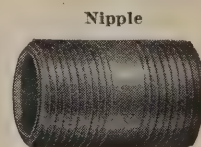
Valve



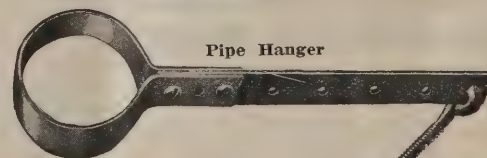
Bushing



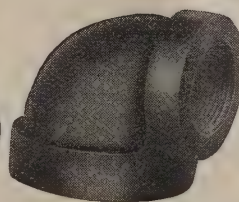
Plug



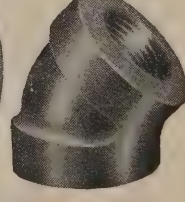
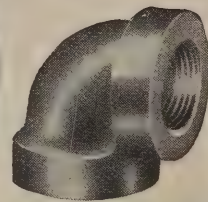
Nipple



Pipe Hanger



Elbows



Angle

GALVANIZED IRON EXPANSION TANKS FOR HOT WATER HEATING SYSTEMS

Galvanized steel, tested to 100 pounds pressure. Made of refined steel, riveted and caulked. Tapping: These tanks are tapped top and bottom for one inch overflow and expansion pipe, and on side for feed pipe.

Number	Sq. Ft. of Radiation it will supply	Price of Tank and Gauge
CS 22600—Capacity 8 gallons.....	250	\$3.25
CS 22610—Capacity 10 gallons.....	300	3.50
CS 22616—Capacity 15 gallons.....	500	3.75
CS 22620—Capacity 20 gallons.....	700	4.80
CS 22624—Capacity 26 gallons.....	950	5.40
CS 22626—Capacity 32 gallons.....	1300	5.75
CS 22628—Capacity 42 gallons.....	2000	6.25

NET PRICE LIST FOR DIFFERENT SIZES OF FITTINGS AND PIPE

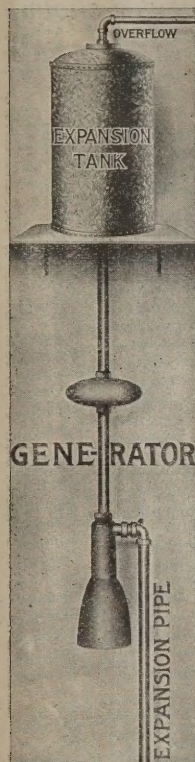
	3/4 in.	1 in.	1 1/4 in.	1 1/2 in.	2 in.
CS 22850—Union Radiator Valves.....	\$0.95	\$1.15	\$1.60	\$2.00	\$3.40
CS 22860—Corner Radiator Valves.....	1.60	1.65	2.00	3.35	5.45
CS 22870—Union Elbow.....	.50	.65	.80	1.00	1.65
CS 22880—Straight Way Valves.....	1.70	2.15	2.80	3.55	5.00
CS 22890—Cast Elbows.....	.04 1/2	.05	.06 1/2	.08	.12
CS 22896—Cast 45° Elbows.....	.05	.06	.08	.10	.15
CS 22898—Cast Reducing Ells.....	.05	.06	.08	.10	.15
CS 22900—Cast Tees.....	.06	.07	.10	.13	.18
CS 22910—Cast Reducing Tees.....	.06 1/2	.07 1/2	.11	.14	.19
CS 22912—Short Nipples.....	.02	.02 1/2	.03 1/2	.04	.06
CS 22914—Long Nipples.....	.03	.03 1/2	.05	.06	.08
CS 22918—Flanges.....	.06	.07	.08	.09	.10
CS 22920—Ceiling and Floor Plates.....	.07	.08	.09	.10	.12
CS 22922—Crosses.....	.09	.12	.16	.22	.30
CS 22924—Plugs.....	.01 1/2	.02	.02 1/2	.03	.04
CS 22926—Bushings.....	.02	.02	.03	.04	.05
CS 22928—Cap.....					.11
CS 22932—Coupling.....	.03	.04	.05	.07	.09
CS 22934—Return Bend Close.....	.09	.10	.12	.17	.25
CS 22936—Return Bend Open.....	.11	.14	.18	.25	.35
CS 22938—Pipe per foot.....	.04	.05 1/2	.07 1/2	.09	.12
CS 22940—Cutting Threads, per cut.....	.02	.03	.03	.04	.04
CS 22960—Automatic Air Valves, each.....					.50
CS 22962—Compressed Air Valves, each.....					.10
CS 22964—Extra Keys, each.....					.05

Prices are subject to change without notice.

Windsor Pressure Generator

WINDSOR PRESSURE GENERATOR

The Windsor Pressure Generator is a device designed to be connected to the expansion pipe of a hot water heating system, for the purpose of controlling the expansion of the water in the system. It will generate a pressure of 10 lbs. on the water without any possibility of sticking and causing dangerous pressure, or leaking and becoming useless. It will stimulate and increase the circulation of the water to such an extent that the piping can be materially reduced.



Showing how to connect generator to expansion pipe.

Rapid Circulation.
Quick results from firing.
Quick to heat in the morning.
Economy of fuel.
Wide range of temperatures.
Efficiency of steam.
No weather too cold for it to heat.
No boiling of the water.
Ten per cent saving incost of material.
Thirty per cent saving in labor.
No large and unnecessary quantity of water to heat before rooms are warmed, which requires time and extra fuel.

REMEDY THE OLD UNSATISFACTORY HOT WATER JOB

By connecting a Windsor Pressure Generator to the expansion pipe you can remedy any unsatisfactory job of hot water heating, where the radiation is insufficient; the piping too small (for gravity); the circulation sluggish, causing large fuel consumption, or where the water boils easily from quick firing, providing, of course, the boiler is large enough to supply the heat.

It stimulates the circulation when the water is rising in temperature and prevents boiling over.

It greatly improves jobs that contain long horizontal mains or where the radiation is all located on the first floor. It operates by mercury and is absolutely safe and is sold under the strongest guarantee.

CS 22500—For 1200 sq. ft. \$13.50
CS 22510—For 2500 sq. ft. 19.75
CS 22520—For 3500 sq. ft. 27.90

Prices of generators do not include expansion tank, and are on board cars at Chicago.

ASBESTOS-MAGNESIA MOULDED COVERINGS FOR STEAM PIPES CS 22660

Our Asbestos-Magnesia Moulded Covering is the most popular covering made for High and Low pressure steam. It is absolutely fireproof, and one of the most durable and efficient coverings offered for the insulation of steam pipes. It is made in sections three feet long, which are finished with canvas jacket, and provided with metal bands, to hold them firmly in place, and can be easily applied by unskilled workmen.

Inside diam. of pipe covering will fit	Covering per foot	Elbows Each	Tees Each
1/2 inch	5 1/2 c	7 1/2 c	9 c
3/4 inch	6 c	7 1/2 c	9 c
1 inch	6 1/2 c	7 1/2 c	9 c
1 1/4 inch	7 1/2 c	7 1/2 c	9 c
1 1/2 inch	8 c	7 1/2 c	9 c
2 inch	9 c	9 c	10 1/2 c
2 1/2 inch	10 c	11 c	12 c
3 inch	11 c	12 c	13 c
3 1/2 inch	12 c	13 c	15 c
4 inch	15 c	15 c	18 c
5 inch	17 c	22 c	29 c
6 inch	20 c	32 c	39 c

WOOL FELT SECTIONAL COVERING FOR HOT WATER PIPES CS 22650

Inside diam. of pipe covering will fit	Covering 1/2 in. thick per foot	Covering 3/4 in. thick per foot
1/2 inch	\$0.03 1/2	\$0.04 1/2
3/4 inch	.04	.05
1 inch	.04 1/2	.05 1/2
1 1/4 inch	.04 1/2	.06
1 1/2 inch	.05	.07
2 inch	.05 1/2	.07 1/2
2 1/2 inch	.06	.08
3 inch	.07	.09
3 1/2 inch	.07 1/2	.10
4 inch	.09	.12

Made of soft corrugated wool felt, with one layer of asbestos felt on inside, finished with heavy mus-

lin jacket, with lap to paste over the seams. Metal band included. Made in sections three feet long, to fit all size pipes.

Asbestos-Magnesia Moulded Fittings should be used with this covering.

ASBESTOS CEMENT CS 22700

This is a dry cement, prepared by carefully mixing pure asbestos fibre and other non-conducting cementing materials. Prepared for use by mixing with water, to the consistency of mortar.

This is the kind of cement universally used for covering heating boilers. Also used by some fitters to cover elbows and tees in place of the molded fittings.

We handle only the No. 1 grade.

Put up in 100 lb. sacks.

Price per sack.....\$1.15

ASBESTOS PAPER

CS 22720—To be pasted on hot air pipes as a protection from fire and also to retain heat in pipes. Put up in rolls of 50 and 100 pounds. Weighs about 1 lb. to the square yard.

Price, 50 lb. roll.....\$2.00
Price, 100 lb. roll.....3.75
Price per pound in small lots......05

BRONZE AND BRONZING LIQUIDS

For the decoration of Radiators, piping, etc., we wish to call your attention to our line of Bronze and Bronzing Liquid.

We have had imported for us a line of Bronzes which are unsurpassed by any others sold.

One trial of these bronzes will be sufficient to prove the worth of these goods. They are fully guaranteed.

COLORS—Pale gold, rich gold, copper and aluminum in one-pound cans. Per 1 lb. can

CS 22760—Pale Gold60c
CS 22762—Rich Gold60c
CS 22764—Copper65c
CS 22766—Aluminum95c

One pound of Gold or Copper Bronze will cover about 300 square feet or radiation. One pound of Aluminum will cover about 600 feet of radiation. One quart of liquid is required for each pound of Gold and Copper Bronze, and one gallon of liquid for each pound of Aluminum.

LIQUID—Keep the liquid can closed tight when not in use. Liquid left uncorked a very short time evaporates and thickens, and becomes worthless. Do not get any bronze in liquid can, as the smallest particle will turn it green. Liquid, if properly used will not have to be thinned. Do not use a dirty mixing pot or brush, and see that all dried-up bronze is carefully removed before mixing fresh.

BRONZING LIQUID

CS 22780—Per 1 gallon can.....90c
CS 22782—Per half gallon can.....50c
CS 22784—Per quart can.....30c

MAROON GLOSS JAPAN

We also offer an excellent quality of these goods in gallon, half-gallon and quart cans.

CS 22792—Per gallon95c
CS 22796—Per half-gallon50c
CS 22798—Per quart30c

HOW TO SET UP A FURNACE

By carefully examining the illustrations of the different parts of our Atlas Windsor Hot-Air Furnace, as shown below, you can see at a glance each step necessary to set up, properly, one of our Furnaces. You will find, packed in air-tight cans, the necessary cement with which to cement each joint as given in directions. By following these directions accurately, any handy-man will be able to do the work of setting up this furnace as well as an expert mechanic. No special tools are necessary for this job.

On the opposite page you will find illustrated all the articles which are needed to make the proper connection between the furnace in the basement and the registers in the rooms which are to be heated. These articles are as follows:—



No. 1



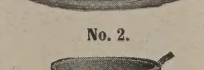
No. 2



No. 5



No. 4



No. 3



No. 5



6. **Top Front**—Place top piece of Front in position first cementing all around where front comes in contact with Dome, bolt same to the Dome.



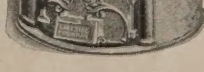
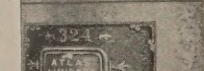
7. **Casing**—Take lower piece of galvanized iron casing and iron ring and bolt to one side of front, then carry the other end around the furnace to the other side of the front and bolt it to the same. Be careful to have this piece of casing fit nicely both to the ring of base plate and to the top ring.

8. **Top Casing**—Place Top Casing the same as the lower casing, fitting the same carefully to the ring below and the casing ring at the top.



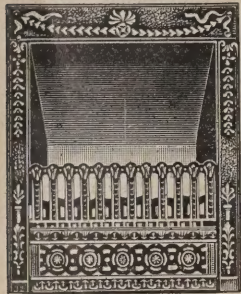
9. **Bonnet**—Place the Bonnet on top of the top casing ring.

10. **Openings**—Cut opening in casing at rear opposite smoke outlet to put in smoke tee and the furnace is complete.



Exceptional Values Hardwood Mantels Tiles and Grates

None of the Mantels on this page can be used with summer front alone, as the latter is only made to set in a frame. Frame and front only of Outfit No. RF 33801, without grate basket and ash screen, can be furnished for \$2.50. If you cannot complete your selection from designs shown on this page, send for our complete mantel catalogue showing a large number of others. All goods on this page are shipped direct from factory in Chicago.



Front View—Outfit No. RF 33801
Combination Grate, without
Summer Front

\$2.50

Outfit No. RF 33810—Combination Grate. This combination grate consists of a heavy cast iron frame in wrought iron finish, 24½ in. wide, 30¾ in. high, outside measurements; a 20-in. black grate basket and ash screen. The basket is heavy and can be had either 7 or 9 in. deep (state which is wanted) and is suitable for burning coal or wood. The cast frame has a projecting canopy at the top, as shown, to protect the shelf or mantel. This grate has to be set with fire-brick, before use, and this work should be done by a competent mason so as to insure satisfaction. The fire-brick required is not included in the price quoted as it can be bought in your home town for less than the freight and packing would amount to. We recommend this grate for soft coal, coke or wood. Price, complete, securely packed in a case.....**\$2.50**

Outfit No. RF 33801 can be furnished in oxidized, copper, plated finish for (RF 33805).....**\$3.50**
If summer front is wanted with above, our price is (RF 33806).....**3.50**
Price of enamel tile for hearth and facing (without mantel or grate). Facings not to exceed 36x36 inches. Hearths not to exceed 5 ft. by 18 in., RF 33808, \$7.50. Extra charge for mounting tile for facing in slabs, \$2.50. Extra charge for mounting tile for hearth in slabs, \$3.25.



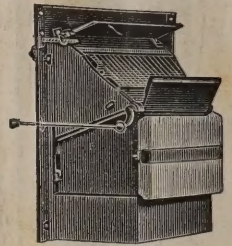
Front View—Outfit No. RF 33801
Combination Grate, with
Summer Front in position



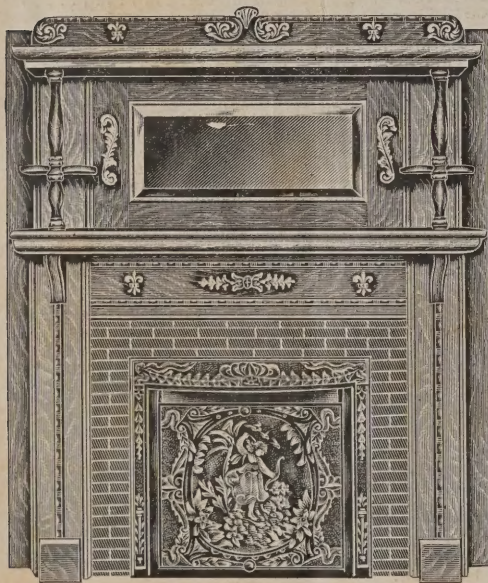
Front View—Outfit No. RF 33802
M. W. Grate

\$8.25

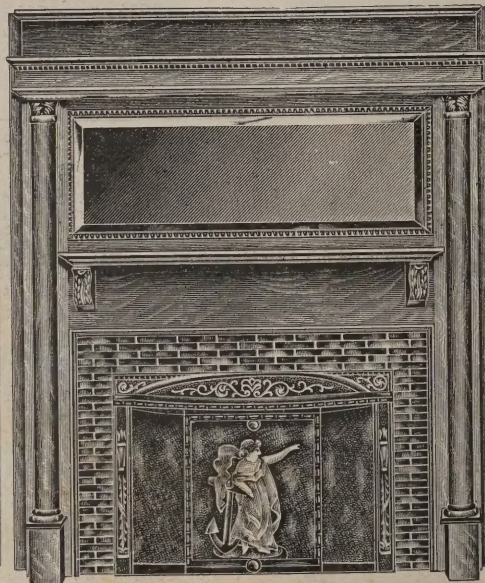
Outfit No. RF 33802—This is a mounted fireplace, and undoubtedly the best medium priced mounted grate on the market. It is well constructed with a view of great durability, cleanliness and economy and contains many good points of practical value not found in others. The body and frame are made of heavy cast iron, with fire-tile back, which is securely bolted. The grate is provided with double draft dampers, the upper being so constructed as to be opened any desired width, thereby enabling the user to increase or diminish the heat as required. Has a dumping bottom of superior construction that has stood the test of time and is guaranteed not to clog; requires no labor or expense to set up, as they are made like a stove and it is only necessary to push them into the fireplace and they are ready for operation. Outfit RF 33802 measures 24½ inches wide, 30¾ inches high, outside measurements, with a firepot 20 inches wide. The upper damper can be closed tight when grate is not in use, preventing dust and soot from entering the room. It also has a loose cross piece between upper and lower dampers, which prevents it from cracking and warping, and can be easily replaced. This grate is so arranged that it can be operated the same as a stove, and fire can be kept for an indefinite period. Also provided with dropping bottom. Price complete, packed securely in case.....**\$8.25**
Outfit RF 33802 can be had in oxidized copper, plated finish for (RF 33809).....**9.75**
If summer front is wanted with above, our price is (RF 33811).....**9.25**



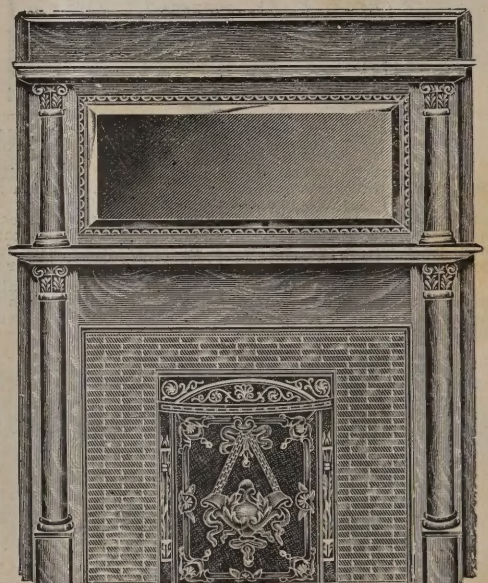
Side View—Showing Damper
Arrangement RF 33802



This mantel stands in a class by itself, and for beauty of ornamentation and graceful outlines challenges comparison. Note particularly the small bracket shelves set between the columns and the body of the mantel, these shelves being particularly adapted for display of bric-a-brac, etc. Made of selected oak, finished in our rich Golden Oak, superior gloss finish. Can also be had in imitation mahogany finish at the same price. Height, 6 ft. 7 in.; width, 4 ft. 6 in. or 5 ft. Tile opening, 36x36 in. Tile projection, 4 in. French beveled plate mirror, 14x24 in. Shipped from factory in Chicago. Weight, about 200 lbs. RF 34017—Price, mantel only, without trimmings.....**\$14.40**
RF 34021—Price, complete, including tile for hearth and facing. Each.....**\$20.65**
RF 34035—With our outfit RF 33801.....**23.15**
RF 34048—With our outfit RF 33802.....**28.45**
RF 34056—Summer front for above outfits will be furnished for.....**\$1.00**



Mantel. A rich design, exceptionally well proportioned throughout. The lower columns measure 3 in. in diameter, the upper 2½ in. and are veneered in choicest quarter-sawn oak. Note particularly the neat capitals on top of the columns. Height, 6 ft. 8 in.; width, 4 ft. 6 in. or 5 ft. Tile opening, 36x36 in. Tile projection, 3¾ in., French beveled plate mirror, 18x36 in. Made of selected oak, finished in our rich Golden Oak, superior varnish finish. Weight, about 225 lbs. RF 34089—Price, mantel only, without trimmings.....**\$19.40**
RF 34112—Price, complete, including tile for hearth and facing. Each.....**\$25.65**
RF 34121—With our outfit RF 33801.....**28.15**
RF 34135—With our outfit RF 33802.....**33.45**
RF 34148—Summer front for above outfits will be furnished for.....**\$1.00**



A massive, well proportioned design of a style well suited for any well furnished home. It is made of the very best selected oak, and finished in a rich Golden Oak, superior flow finish. Can also be had in birch, finished imitation mahogany for \$2.50 net extra. Particular attention is called to the heavy boxed top shelf and the massive 3½-inch veneered columns, set off with well designed capitals. Square French beveled plate mirror 18x36 in. Height, 7 ft.; width, 4 ft. 6 in. or 5 ft. Tile opening, 36x36 in. Tile projection, 3¾ in. Weight, about 225 lbs. RF 34162—Price, mantel only, without trimmings.....**\$21.35**
RF 34178—Price, complete, including tile for hearth and facing. Each.....**\$28.00**
RF 34189—With outfit RF 33801.....**30.70**
RF 34192—With outfit RF 33802.....**36.35**
RF 34197—Summer front for above outfits will be furnished for.....**\$1.00**

REMEMBER!—We issue a Complete Mantel Catalogue. If you cannot make a selection from these designs, write us.

Domestic Windsor Steel Range \$30⁷⁰ to \$33⁸⁰

Six Holes, with Reservoir Steel High Closet and Oven Thermometer.

Burns Any Kind of Hard or Soft Coal, Coke, Corn Cobs or Wood.

New Design. Carved Cast Iron Base.

In stock at Chicago, St. Louis, Minneapolis and at foundry in Pennsylvania, your choice of shipping points.

Our DOMESTIC WINDSOR WELLSVILLE POLISHED STEEL RANGE fills all the requirements of all sections of the country. It is perfect in operation, and at the same time the smooth, uniform color of the polished steel, together with the neat and decorative carving and the bright luster of the nickel plating makes the outside appearance of this range most attractive.

CONSTRUCTION
BODY is built of heavy WELLSVILLE POLISHED STEEL of uniform color. It is easy to keep clean and wholesome, does not peel or chip or lose its color and requires no blackening or polishing. The double walls are lined with thick pure asbestos. It is closely riveted together with the strongest rivets made and cannot buckle or warp.

FIRE BOX is practical in design and strong in construction. It is built of the highest grade, heavy cast iron specially selected and prepared for this purpose. It is correctly proportioned to produce intense heat without excessive use of fuel. The fire linings are made in sections of strong, heavy cast iron. They can be replaced a section at a time whenever necessary.

DUPLEX GRATE is the very latest improved construction for use of HARD or SOFT COAL or WOOD. One turn of the crank clears away the dead ashes. This grate can be removed without disturbing the linings (or water front if it is used). To use WOOD for fuel—Reverse the grate, leaving the flat side up, then take out the two end linings and you will have a large extension fire-box of the proper proportions to burn wood successfully. Will take wood 25 inches long.

OVEN is broad, deep, high, square in form and thoroughly ventilated. The top plate is carefully reinforced the proper distance with cast-iron and asbestos. The bottom oven plate is extra heavy and is strongly and thoroughly braced. Oven will bake evenly and perfectly in all parts. It is fitted with a strong steel slide rack. The door is large, perfectly balanced and double latched. This door forms a convenient shelf when open. The entire inside of the oven is Aluminum finished.

FLUES are the sheet flue type and are the correct size for the oven and fire-box. The back flue is made of heavy cast-iron which does not rust or burn out. The DOUBLE FLUE BOTTOM confines the heat to the oven and also protects the floor.

RESERVOIR CASING is built of heavy cast iron and is rust proof. It also has a moisture pocket in the bottom. The Reservoir Tank is enameled lined, making it clean and wholesome. This tank will hold five gallons, and is removable.

WELLSVILLE STEEL HIGH CLOSET is handsome in design and is built of strong WELLSVILLE POLISHED STEEL. It is firmly braced with steel brackets which cannot break. The revolving door slides out of the way when opened. This closet is fitted with a joint of 7 inch pipe equipped with two scroll teapot stands and register draft. If your chimney hole is 6 inches, it will be necessary for you to purchase a joint of pipe tapering from 7 to 6 inches.

ON HIGH CLOSET: Upper, lower and side rims; Teapot stands and hinges; Brackets; Register Draft; Name plate and handle; Door knob and bolts.

TOWEL ROD is made of Steel nickel-plated. It is supported by MALLEABLE IRON brackets and extends the full length of the main top of range.

WATER FRONT: All our ranges are built so that a WATER FRONT can be fitted in the fire box whenever connection with a circulating boiler is desired. Do not confuse this WATER FRONT with the RESERVOIR. They are two distinct and different parts of a range and can be used together or separately as desired. See CS 10054.

A CARD OF INSTRUCTIONS telling exactly how to set up and operate these ranges will be found in oven of each one.

WATER FRONT can only be used in cities or towns where there is a water pressure system or where your water is supplied from an elevated or air pressure tank.

CS 10054—Water Front. Shipping Weight 25 lbs. Price at Foundry \$2.40.

We can supply this Water Front with any size of these Ranges but can only ship from foundry in Western Pennsylvania when so equipped. Remember these Water Fronts can only be used in connection with a Hot Water Boiler and where water pressure can be obtained.

The height of this Range from floor to top of High Closet is 57 inches, and from floor to Main Top is 29½ inches.

The length of fire box, in all sizes, for wood is 25 inches long and all collars are for 7 inch pipe.

Table of Sizes and Prices

Be sure to give Catalogue Number and Range Number

CS 9980 Shipped from Your Choice of 4 Points

Range Number	Size of Lids in Inches	Size of Oven in Inches	Size of Main Top and Reservoir in Inches	Price as Described with Reservoir and High Closet	Shipping Weight Pounds
7-16	7	16x20½x13	46½x29½	\$30.70	545
8-16	8	16x20½x13	46½x29½	31.00	555
8-18	8	18x20½x13	48½x29½	32.15	560
9-18	9	18x20½x13	48½x29½	32.40	565
8-20	8	20x20½x13	50½x29½	33.55	570
9-20	9	20x20½x13	50½x29½	33.80	575

Range complete with Reservoir and High Closet
Blackened and Polished Ready to Set Up

We Ship Our Palace Windsor Base Burner in any size from either CHICAGO, ST. LOUIS or MINNEAPOLIS, as well as from foundry in WESTERN PENNSYLVANIA. We will ship it to you from the point nearest your town. This saves time and saves freight.

Palace Windsor

**DOUBLE HEATER
SELF-FEEDING
BASE BURNER
Burns Hard Coal Only**

\$25.05 To \$32.75

Strong, Durable, Economical,
Clean, Comfortable, Perfectly Proportioned, Handsome, and Artistically Ornamented.

The Cost of Our
PALACE WINDSOR HEATER
is wonderfully low as compared with the economy of its operation and increased comfort of your home.

Our Palace Windsor, Self-Feeding, Double-Heater, Hard Coal Base Burner

Is the best value ever offered in a high grade hard coal base burner. Our illustrations are taken from the photographs of the actual stove. Thousands of our customers throughout the entire world voluntarily testify to its beauty and simplicity of design; the absolute perfection of the materials used; to the reliability of its mechanical construction; the uniform, perfect and powerful radiation and circulation of heat; the economy of fuel consumed and also to the simplicity and ease of operation and control.

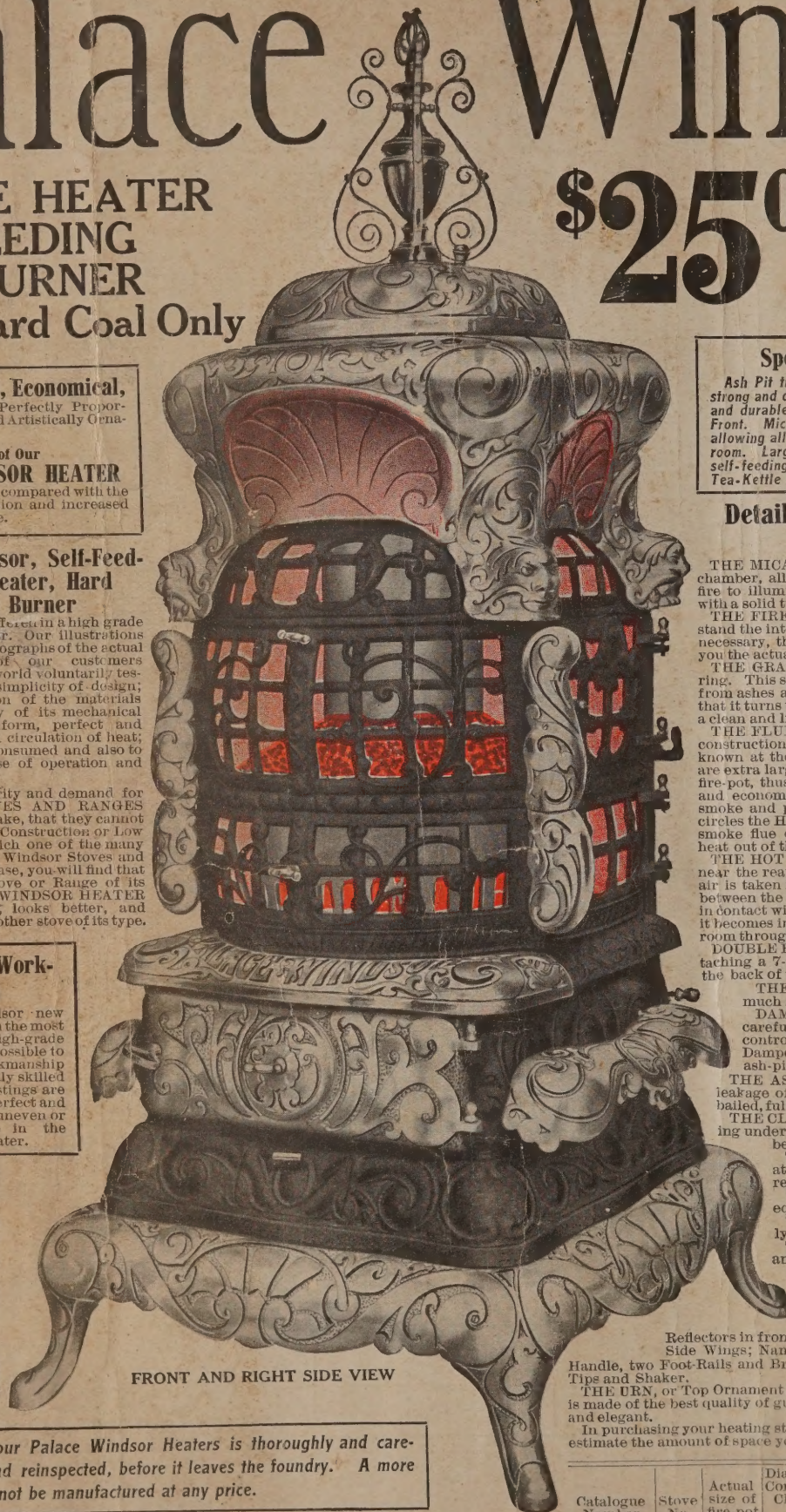
The growing popularity and demand for our WINDSOR STOVES AND RANGES proves the claim we make, that they cannot be equalled in Quality, Construction or Low Prices. No matter which one of the many different styles of our Windsor Stoves and Ranges you may purchase, you will find that it is the Standard Stove or Range of its class. OUR PALACE WINDSOR HEATER is better constructed, looks better, and wears better than any other stove of its type.

Material and Workmanship

Our Palace Windsor new pattern is made from the most carefully selected, high-grade materials that it is possible to procure. The workmanship is done by thoroughly skilled mechanics. The castings are made smooth and perfect and there are no rough, uneven or loose joints made in the mounting of this heater.

The proportions and construction of this Heater are scientific and accurate. The consumption of coal is complete while the heat produced is perfectly radiated and circulated. This heater requires very little care or attention and meets the requirements of every one desiring a PERFECT, HIGH-GRADE, DURABLE, HANDSOME AND MODERN HARD COAL BASE BURNER.

Each one of our Palace Windsor Heaters is thoroughly and carefully inspected, and reinspected, before it leaves the foundry. A more perfect heater cannot be manufactured at any price.



FRONT AND RIGHT SIDE VIEW

Special Points of Construction

Ash Pit tightly built. Extra large Hot-Air Flue. Grate strong and durable. Fire-Pot extra heavy and strong. Strong and durable Dampers and Damper Handles. Large, swell Front. Mica Doors extending full length of Fire Chamber allowing all the cheerful light from the fire to illuminate the room. Large nickel-plated Reflector Dome. Extra large self-feeding Magazine, saves time refilling. Convenient Tea-Kettle Heating Top.

Details in Construction of Palace Windsor Heater

THE MICA DOORS, extended the full length of the fire chamber, allow all the bright and cheerful light from the fire to illuminate the room. Each Mica Door is fastened with a solid turn buckle, which holds it tight and secure.

THE FIRE POT is made extra heavy and strong, so as to stand the intense heat produced. It is easily removed, when necessary, through the upper front doors. Below we give you the actual inside measurements.

THE GRATE is the patent Duplex Grate, with shaking ring. This shaking ring clears the outer part of the fire pot from ashes and clinkers, and the Duplex Grate is so made that it turns them into the ash-pan below. This leaves you a clean and live fire.

THE FLUE CONSTRUCTION. We use the circular flue construction, which is acknowledged to be the best style known at the present time for base heating. The FLUES are extra large, but of correct proportions to the size of the fire-pot, thus making our PALACE WINDSOR a powerful and economical heater. The descending flue carries the smoke and products of combustion to the base. Here it circles the Hot-Air Flue and then ascends, passing out at the smoke flue exit. Notice how this heater gets every bit of heat out of the fuel consumed.

THE HOT AIR FLUE is extremely large and is situated near the rear center of the bottom of the heater. The cold air is taken from the floor into the flue, and passing upwards between the descending and ascending smoke flues it comes in contact with the back of the fire-pot and magazine. Here it becomes intensely heated and is then circulated into the room through the perforated top on the back of the main top.

DOUBLE HEATER ATTACHMENT is easily made by attaching a 7-inch pipe to the pipe collar on the main top at the back of the swing top cover.

THE MAGAZINE is extra large and will save you much labor and time in keeping it filled.

DAMPERS are made strong and durable and are carefully placed. They are easy to understand and control and consist of the following: Direct Draft Damper, Check Damper, and Screw Draft Damper in ash-pit door.

THE ASH PIT is mounted tightly, so that there is no leakage of dirt or ashes. It is fitted with a strong, well-balled, full-sized ash pan.

THE CLEAN-OUT is conveniently placed with its opening under the ash-pit door, thus allowing the lower flue to be easily cleaned.

THE TEA-KETTLE TOP is large and is situated at the back of the heater and is fitted with a 6-inch removable griddle.

THE CAST ELBOW, with which the stove is equipped, is strong and gas tight.

THE CARVING is of artistic design and is neatly and carefully executed.

THE NICKEL-PLATING is heavy and durable, and with the handsome swell front, the reflector dome, and the thorough blackening and polishing gives the heater an attractive and pleasing appearance.

NICKEL-PLATED PARTS are as follows:

Reflectors in front and sides, also four Head Corner Ornaments, Side Wings; Name Plate, Ash-Pit Door, with Screw Draft and Handle, two Foot-Rails and Brackets, Base and Legs, Door Knobs, Hinge Pin Tip and Shaker.

THE URN, or Top Ornament is of very elaborate and appropriate design. It is made of the best quality of gun metal and bronze, and is thoroughly artistic and elegant.

In purchasing your heating stoves it is an important point to always carefully estimate the amount of space you wish to heat.

Catalogue Number	Stove No.	Actual size of fire-pot Inches	Diameter of Combustion Chamber over Fire-Pot Inches	Floor Space In.	Height Floor to top of Urn Inches	Size of pipe to fit Collar In.	Shipping Wt. lbs.	Price
CS 95620	113	12	15	25x25	66 3/4	6	405	\$25.05
CS 95622	115	14	17	27x27	67 3/4	6	470	29.65
CS 95624	117	16	19	29x29	69 3/4	6	540	32.75

Foundry is located in Western Pennsylvania

All our stoves are blackened and polished ready to set up when they leave our foundry and are shipped crated.